

Ascott Shop Catalogue



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Welcome to the Ascott Shop Catalogue



This catalogue is designed to make selecting products from our shop as simple as possible.

- Select the product you require from our extensive range.
- Referring to the product reference number, you can either buy online 24/7, or call us direct on **+ 44 (0) 1827 318044** or email **info@ascottshop.com**

All the equipment you need in one place

Welcome to the Ascott Shop Catalogue. For over 30 years we have been supplying premium, reliable test equipment. Our corrosion test chamber range is renowned as a world leading brand. We also supply an additional range of materials testing equipment, for use in the laboratory environment and also in the field. Our new catalogue showcases our largest ever range, with equipment, accessories, and consumables all available from one trusted supplier.

All of our current prices are clearly displayed online, there is no necessity to request and then wait for quotes. You can select products and purchase via our simple and secure online checkout using any major payment card and can even enter your own purchase order number at this stage.

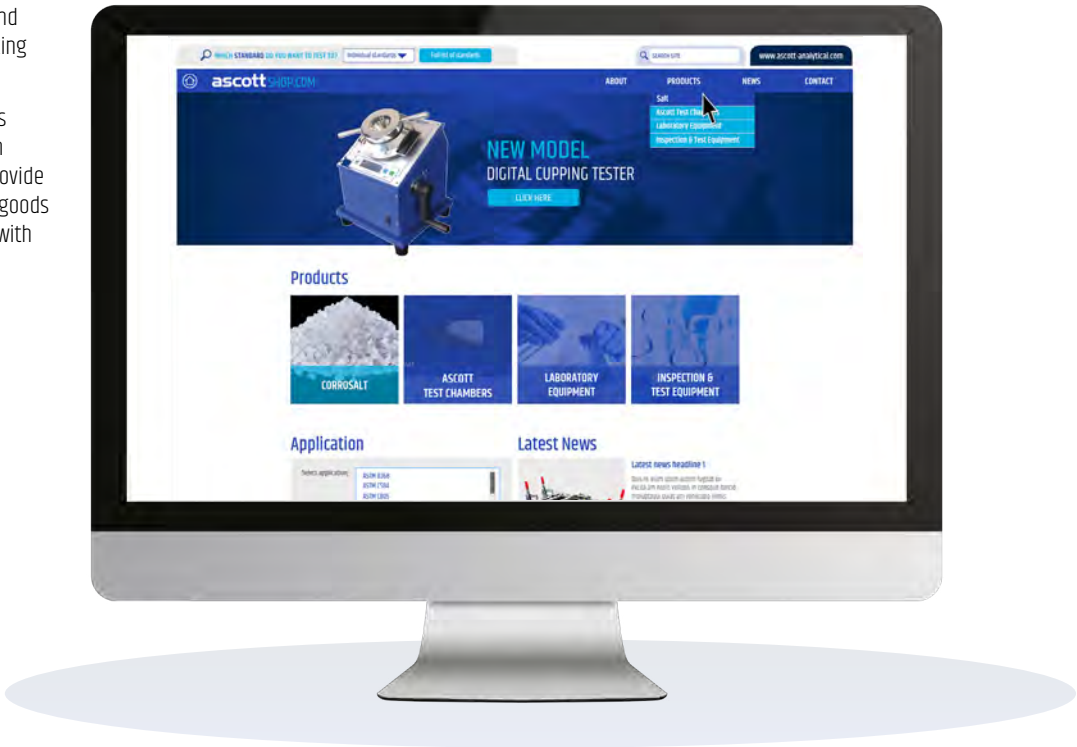
We are adding products to our range all the time, so please visit www.ascottshop.com to see the most up to date offers.

Quick and efficient delivery

We deliver our products across the globe. When ordering online, delivery charges are automatically added at the checkout. For some very large or heavy items delivery charges will be advised after purchase, and a separate freight invoice will be issued.

Your goods will be carefully packed and sent by trusted carriers with full tracking information provided.

Please note that stated delivery times are from when full payment has been cleared and received by us. We will provide tracking information as soon as your goods leave our warehouse so you can buy with confidence.



CORRO-SALT

Even though salt is a commonly occurring compound, pure sodium chloride (NaCl) is much more difficult to come by. Because of its hygroscopic nature, which tends to make salt coagulate and solidify, most granulated salt has anti-caking agents added. However, the addition of these agents is prohibited by most salt spray test standards.

Corro-Salt



Ref: SALA530 [Click to view online](#)

For all salt spray testing including the stringent ASTM B117, Available in 25 kg drums, supplied with a scoop to maintain purity when handling, Supplied by the leading manufacturer of corrosion test chambers, Chemical composition verified by an independent UKAS accredited laboratory.

Discount is available for purchases of 5 drums or more.

LABORATORY EQUIPMENT

• Balances & Scales

• Heating & Cooling

• Ovens & Kilns

• Stirrers & Shakers

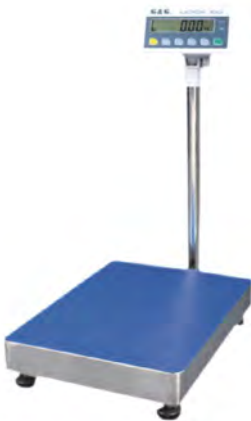
Many tests require the use of specialised laboratory equipment such as freezers and heating baths. Designed especially for laboratory use, with a high degree of accuracy and constructed for long term use, our range includes ovens, kilns, and water/oil baths.

We also offer many different models of laboratory grade balances and scales, together with mixers and stirrers specifically designed for precise laboratory use.

BALANCES & SCALES

Accuracy is crucial in laboratory testing; our range of balances and scales are designed for the demands of this work. No matter what size or weight samples you are working with, we will have a reliable and accurate measuring solution for you, including models and options with enclosures to mitigate against the effects of dust and draughts.

Bench Scale



Ref: T01-707051-7 [Click to view online](#)

Bench scales are suitable for heavier samples, whilst still giving accurate and reliable measurements. Available in various models from 60kg to 600kg select appropriate model below.

- LCD Display with backlight
- AC/DC power options
- Automatic Calibration
- RS232 interface for printer/PC connection
- Metric and Imperial units

Options:

Model	Max Weight	Resolution	Plate Size
T01-707051	60kg	1g	520 x 420mm
T01-707052	60kg	5g	500 x 400mm
T01-707053	150kg	5g	520 x 420mm
T01-707054	150kg	20g	500 x 400mm
T01-707055	300kg	10g	520 x 420mm
T01-707056	300kg	50g	500 x 400mm
T01-707057	600kg	100g	500 x 400mm

Economic Electrical Balance



Ref: T01-701289-300 [Click to view online](#)

We offer a range of laboratory scales for accurate measurements. These standard balances are available in a wide variety of maximum load capacities and sizes, with or without enclosed cabinet.

- Calibration function
- Full range of Gross to Net conversion
- Unit conversion (g, CT, OZ, lb)
- RS-232 interface
- High Resolution
- LED indicator
- Power: AC 220V±10 50HZ±1HZ DC 9V

Options:

Model	Max Weight	Resolution	Plate Size	Enclosure
T01-701289	220g	0.001g	Ø 80mm	Yes
T01-701290	100g	0.01g	Ø 125mm	None
T01-701291	200g	0.01g	Ø 125mm	None
T01-701293	500g	0.01g	Ø 125mm	None
T01-701295	1000g	0.01g	Ø 125mm	None
T01-701296	2000g	0.01g	Ø 125mm	None
T01-701297	2000g	0.1g	155 x 175mm	None
T01-701298	3000g	0.1g	155 x 175mm	None
T01-701299	5000g	0.1g	155 x 175mm	None
T01-701300	6000g	0.1g	155 x 175mm	None

Precise Analytical Balance



Ref: T01-701279-81 [Click to view online](#)

Highly accurate balance, with 90mm pan size and enclosure cabinet and a clear LCD display. Accurate 0.1mg resolution reading.

- Adjustable weighing speed
- RS232 and USB Interfaces
- Repeatability (\leq mg): ± 0.1
- Plate Size(mm): \varnothing 90
- Independent Tare and Zero functions
- Readability (mg): 0.1,
- Linearity (\leq mg): ± 0.2

Options:

Model	Max Weight	Resolution	Plate Size	Enclosure
T01-701279	110g	0.1mg	\varnothing 90mm	Yes
T01-701281	210g	0.1mg	\varnothing 90mm	Yes

Precise Analytical Balance (internal calibration)



Ref: T01-701275-78 [Click to view online](#)

Highly accurate balance, with built in calibration, with enclosure cabinet and a clear LCD display.

- Automatic internal calibration
- Large clear LCD display
- USB interface module, built-in clock
- Four level shockproof
- Zero can be traced automatically and is adjustable
- Over-loading protection
- Independent "Tare" and "zero" button, two-way communication
- Modular electromagnetic force sensor
- RS232 interface module
- Dynamic temperature compensation
- Weighing speed is adjustable
- Automatic trouble diagnosis
- Unit conversion (g/oz/ct/kg/lb)

Options:

Model	Max Weight	Resolution	Plate Size	Enclosure
T01-701275	220g	0.1mg	\varnothing 90mm	Yes
T01-701277	320g	1mg	\varnothing 90mm	Yes
T01-701278	420g	1mg	\varnothing 90mm	Yes

Precision Balance



Ref: T01-701282-87 [Click to view online](#)

Precision Balances for Laboratory (IP54 Standard Compatible).

- Six key panel
- Interface: Bidirectional RS-232
- Power: 7.2VDC (115VAC, 60HZ adaptor provided)
- Metric and Imperial units
- Display: 0.57" LED (all models)

Options:

Model	Max Weight	Resolution	Plate Size	Enclosure
T01-701283	200g	0.001g	\varnothing 120mm	Yes
T01-701284	410g	0.001g	\varnothing 120mm	Yes
T01-701285	1200g	0.01g	\varnothing 158mm	No
T01-701286	2000g	0.01g	\varnothing 158mm	No
T01-701287	4100g	0.01g	\varnothing 158mm	No

Special Balance for Paint



Ref: T01-701267-73 [Click to view online](#)

These balances are specially designed for paints and inks. With an entirely metal construction and large clear display, they are ideally suited for paint/coatings and other similar environments.

- RS232 interface
- Overload protection
- Large LCD Display
- Multiple Units (G; Ct; Oz; Dwt)

Options:

Model	Max Weight	Resolution	Plate Size	Display Type
T01-701267	5kg	0.1g	\varnothing 240mm	Integral
T01-701268	8kg	0.1g	\varnothing 240mm	Integral
T01-701269	10kg	0.1g	\varnothing 240mm	Integral
T01-701270	16kg	0.1g	330 x 380mm	External
T01-701272	30kg	0.1g	330 x 380mm	External
T01-701273	60kg	0.5g	330 x 380mm	External

HEATING & COOLING

Many standards specify temperatures that samples must be heated to, cooled to, or maintained at within a narrow degree of tolerance. For this reason, specific laboratory instruments are required that are capable of this degree of accuracy. We supply laboratory standard freezers in a wide range of sizes as well as water oil and thermostatic baths.

Heating Bath



Ref: T01-701131-35 [Click to view online](#)

Heating bath for use in a variety of applications, stainless steel interior and digital display with timer function. Audio visual alarm indicates if over-temperature.

- Power Supply: 220V 50HZ
- Temperature Stability: $\pm 0.5^{\circ}\text{C}$
- Timing Range: 1-9999min
- Temperature Range: RT +5 -99 $^{\circ}\text{C}$
- Temperature Track Alarm: +2 $^{\circ}\text{C}$

Options:

Model	Capacity	Internal Dimensions	External Dimensions	Power
T01-701131	11L	420 x 180 x 150mm	570 x 270 x 260mm	500W
T01-701132	34L	600 x 300 x 190mm	750 x 400 x 300mm	1000W
T01-701133	12L	320 x 240 x 160mm	420 x 280 x 190mm	400W
T01-701134	22L	450 x 300 x 160mm	610 x 340 x 190mm	600W
T01-701135	30L	600 x 300 x 160mm	760 x 340 x 190mm	1000W

Laboratory Freezers



Vertical



Horizontal

Ref: T01-701159-68

[Click to view online](#)

Laboratory Freezers are used in a wide variety of applications including measuring the freeze-thaw resistance of materials. We offer a range of both horizontal and vertical models of different capacities.

- Microprocessor temperature control
- Temperature +/- alarm
- High density insulation
- Castors for ease of movement
- Digital temperature display
- CFC- free refrigerants
- LED digital temperature display

Options:

Model	Volume	Temperature Range	Internal Dimensions	External Dimensions	Orientation
T01-701159	92L	-10 to -25°C	435 x 410 x 635mm	597 x 610 x 860mm	Vertical
T01-701160	92L	-20 to -40°C	435 x 410 x 635mm	597 x 610 x 860mm	Vertical
T01-701161	198L	-10 to -25°C	802 x 387 x 696mm	940 x 560 x 845mm	Horizontal
T01-701162	388L	-10 to -25°C	1114 x 529 x 690mm	1240 x 745 x 845mm	Horizontal
T01-701163	262L	-10 to -25°C	480 x 462 x 1430mm	657 x 685 x 1665mm	Vertical
T01-701164	100L	-20 to -40°C	500 x 385 x 625mm	680 x 600 x 805mm	Horizontal
T01-701165	255L	-20 to -40°C	1040 x 430x 605mm	1243 x 633 x 838mm	Horizontal
T01-701166	380L	-20 to -40°C	1376 x 457 x 625mm	1550 x 633 x 838mm	Horizontal
T01-701167	278L	-20 to -40°C	520 x 435 x 1230mm	736 x 660 x 1810mm	Vertical
T01-701168	348L	-20 to -40°C	535 x 650 x 1228mm	715 x 840 x 1860mm	Vertical

Low Temperature Thermostatic Bath



Horizontal



Vertical

Ref: T01-701142-56

[Click to view online](#)

We offer many different sizes of Low Temperature Thermostatic Baths, all of which provide precise temperature control, with rapid temperature changes as required.

Options:

Model	Volume	Temperature Range	Accuracy	Inner Dimensions	Size of Opening	Depth	Pump Flux
T01-701142	6L	0 to 100°C	± 0.05°C	260 x 170 x 120mm	150 x 150mm	120mm	6 L/min
T01-701143	7.5L	-5 to 100°C	± 0.05°C	250 x 200 x 150mm	180 x 150mm	150mm	6 L/min
T01-701144	15L	-5 to 100°C	± 0.05°C	300 X 250 X 200mm	235 x 180mm	200mm	6 L/min
T01-701145	30L	-5 to 100°C	± 0.05°C	400 x 325 x 230mm	310 x 280mm	230mm	13 L/min
T01-701146	7.5L	-10 to 100°C	± 0.05°C	250 x 200 x 150mm	180 x 150mm	150mm	6 L/min
T01-701147	7.5L	-20 to 100°C	± 0.05°C	250x 200 x 150mm	180 x 150mm	150mm	6 L/min
T01-701148	15L	-20 to 100°C	± 0.05°C	300 x 250 x 200mm	235 x 180mm	200mm	6 L/min
T01-701149	30L	-20 to 100°C	± 0.05°C	400 x 325 x 230mm	310 x 280mm	230mm	13 L/min
T01-701150	6L	-30 to 100°C	± 0.1°C	250 x 200 x 120mm	180 x 150mm	120mm	6 L/min
T01-701151	10L	-30 to 100°C	± 0.1°C	250 x 200 x 200mm	180 x 150mm	200mm	6 L/min
T01-701152	15L	-30 to 100°C	± 0.1°C	300 x 250 x 200mm	235 x 180mm	200mm	6 L/min
T01-701153	30L	-30 to 100°C	± 0.1°C	400 x 325 x 230mm	310 x 280mm	230mm	13 L/min
T01-701155	8L	0 to 100°C	± 0.05°C	290 x 180 x 150mm	155 x 155mm	150mm	8 L/min
T01-701156	8L	-10 to 100°C	± 0.05°C	290 x 180 x 150mm	155 x 155mm	150mm	8 L/min
T01-701157	9L	-20 to 100°C	± 0.05°C	280 x 250 x 130mm	235 X 150mm	100mm	6 L/min

Oil Bath



Ref: T01-701140-41

[Click to view online](#)

We offer 2 oil baths in different capacities for precise constant temperature, used in a variety of laboratory settings. They provide precise and reliable temperature control, with an audible and visual alarm if temperature is exceeded.

- Material: Stainless Steel
- Temperature Range: From ambient+5 to 200°C
- Temperature Stability: ±0.5°C
- Electrical Requirements: 220V 50HZ
- Timing Range: 1~9999min
- Tracking Alarm: ± 2°C

Options:

- Available in 12L and 20L sizes.

Model	Volume	Power	Internal Dimensions
T01-701140	12L	1000W	250 x 250 x 200mm
T01-701141	20L	2000W	400 x 250 x 200mm

Water Bath



Ref: T01-701136-39

[Click to view online](#)

We offer a range of water baths for precise constant temperature, used in a variety of laboratory settings. The lids can be removed individually as required and an audible and visual alarm will alert the user to any errors in temperature.

- Material: Stainless Steel
- Temperature Range: From ambient+5 to 99°C
- Temperature Stability: ±0.5°C
- Electrical Requirements: 220V 50HZ
- Timing Range: 1~9999min
- Tracking Alarm: ± 2°C

Options:

Model	Volume	Power	Internal Dimensions	Number of Apertures
T01-701136	4.9L	500W	150 x 300 x 110mm	2
T01-701137	9.9L	1000W	300 x 300 x 110mm	4
T01-701138	14.8L	1500W	450 x 300 x 110mm	6
T01-701139	19.8L	2000W	600 x 300 x 110mm	8

OVENS & KILNS

Precise ovens are used for the heating and drying of samples, as they are designed for laboratory use, they are highly accurate and able to maintain temperature stability. Muffle Kilns are used when higher temperatures are required for treatments, analysis, or high temperature baking. We also offer Oven Data Loggers that enable temperature monitoring of differing samples as well as the surroundings throughout processing.

Muffle Kiln



Ref: T01-701119-30 [Click to view online](#)

The Muffle Kiln is used for chemical element analysis and high-temperature treatments such as quenching, annealing and tempering of small castings. It can also be used for high-temperature heating processes, baking, dissolving and analyzing of metals, graphite and ceramics.

- Door designed for safe and easy operation ensuring high-temperature hot gas will not escape
- Inert gas inlet and outlet reserved in the chamber
- Micro-computer PID Controller
- Inside lining of fire-door and box panel are both made of stainless steel
- Choice of refractory-brick or ceramic fibre lining
- High performance door seal - minimising thermal loss

Options:

Model	Volume	Input Power	Electrical Supply	Internal Dimensions	Maximum Temperature
T01-701119	2L	2.5KW	220V / 50Hz	200 X 120 X 80mm	1000°C
T01-701120	7L	4KW	220V / 50Hz	300 x 200 x 120mm	1000°C
T01-701121	16L	8KW	380V / 50Hz	400 x 250 x 160mm	1000°C
T01-701122	30L	12KW	380V / 50Hz	500 x 300 x 200mm	1000°C
T01-701123	2L	2.5KW	220V / 50Hz	200 x 120 x 80mm	1200°C
T01-701124	7L	5KW	220V / 50Hz	300 x 200 x 120mm	1200°C
T01-701125	16L	10KW	380V / 50Hz	400 x 250 x 160mm	1200°C
T01-701126	4L	4KW	220V / 50Hz	250 x 150 x 100mm	1300°C
T01-701128	18L	8KW	380V / 50Hz	500 x 200 x 180mm	1300°C
T01-701129	5.4L	8KW	380V / 50Hz	300 x 150 x 120mm	1600°C
T01-701130	13L	12KW	380V / 50Hz	400 x 200 x 160mm	1600°C

PosiTest® OTL Oven Temperature Logger



Ref: T01-20556/ T01-20557 [Click to view online](#)

Certificate PosiTest OTL Oven Temperature Logger with included barrier box and holder is ideal for measuring oven temperature profiles.

- Simple, easy-to-use interface
- 6 K-type thermocouple ports (channels)
- Measures and records up to 40,000 datasets (240,000 readings) in up to 6 batches
- Records measurements every 2 seconds for up to 22 hours of recording time
- Download, view, and analyze batch data using PosiSoft Desktop software. Export .CSV files for easy import into spreadsheets.
- Bright LEDs indicate logger status at a glance
- High temperature stainless steel barrier box with fibreglass insulation for long run times at high temperatures. Contains no silicone.
- Certificate of Calibration showing traceability to NIST included

Options:

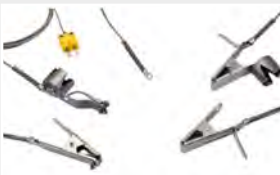
There are two options available;

- **T01-20556: PosiTest® OTL Kit** - Up to 50 minutes at 250°C
- **T01-20557: PosiTest® OTL Kit XT** - Up to 100 minutes at 300°C



Accessories

PosiTest OTL Temperature Probes



Ref: T01-20559-73
A wide variety of temperature probes are available for the PosiTest OTL with 1.8, 3.6, or 6 m (6', 12', or 20') stainless steel braided cables (sold separately). Certificate of Calibration showing traceability to NIST included.

Model	Description	Length	Temperature Range
T01-20559	Spring Clamp - Surface Probe	1800mm	-100 to 500°C
T01-20560	Spring Clamp - Surface Probe	3600mm	-100 to 500°C
T01-20561	Spring Clamp - Surface Probe	6000mm	-100 to 500°C
T01-20562	Spring Clamp - Air Probe	1800mm	-100 to 500°C
T01-20563	Spring Clamp - Air Probe	3600mm	-100 to 500°C
T01-20564	Spring Clamp - Air Probe	6000mm	-100 to 500°C
T01-20565	Magnetic - Surface Probe	1800mm	-100 to 300°C
T01-20566	Magnetic - Surface Probe	3600mm	-100 to 300°C
T01-20567	Magnetic - Surface Probe	6000mm	-100 to 300°C
T01-20568	Magnetic - Air Probe	1800mm	-100 to 300°C
T01-20569	Magnetic - Air Probe	3600mm	-100 to 300°C
T01-20570	Magnetic - Air Probe	6000mm	-100 to 300°C
T01-20571	Washer - Surface Probe	1800mm	-100 to 500°C
T01-20572	Washer - Surface Probe	3600mm	-100 to 500°C
T01-20573	Washer - Surface Probe	6000mm	-100 to 500°C

Engraved ID Tags for OTL Temperature Probes



Ref: T01-20558
Replacement ID Tags for PosiTest Oven Temperature Logger probes.

Laboratory Ovens



Ref: T01-701100-18 [Click to view online](#)

We offer these Laboratory Ovens with timing function in a wide range of sizes and power. These high quality reliable precise ovens are used for drying or heating samples and are extremely accurate.

- Material: High quality stainless steel
 - Temperature Control: 0.1°C
- Temperature Stability: ±1°C
 - Temperature Uniformity ±2.5%

Options

Model	Volume	Electrical Requirement	Power	Temperature Range	Shelves	Internal Dimensions (W x D x H mm)
T01-700414	40L	220V 50HZ	850W	RT+10 - 250°C	1 pcs	350 x 300 x 400
T01-700415	80L	220V 50HZ	1100W	RT+10 - 250°C	3 pcs	400 x 320 x 550
T01-700413	150L	220V 50HZ	1550W	RT+10 - 250°C	3 pcs	500 x 380 x 750
T01-700416	250L	220V 50HZ	2060W	RT+10 - 250°C	3 pcs	600 x 450 x 900
T01-700417	400L	220V 50HZ	3000W	RT+10 - 250°C	3 pcs	1000 x 510 x 800
T01-700418	50L	380V 50HZ	3250W	RT+20 - 400°C	2 pcs	360 x 350 x 400
T01-700419	50L	380V 50HZ	4050W	RT+20 - 500°C	2 pcs	360 x 350 x 400
T01-700420	100L	380V 50HZ	4050W	RT+20 - 400°C	2 pcs	450 x 450 x 450
T01-700421	100L	380V 50HZ	4900W	RT+20 - 500°C	2 pcs	450 x 450 x 450
T01-700422	220L	380V 50HZ	4900W	RT+20 - 400°C	2 pcs	600 x 600 x 600
T01-700423	220L	380V 50HZ	6050W	RT+20 - 500°C	2 pcs	600 x 600 x 600
T01-700424	760L	380V 50HZ	1275W	RT+20 - 400°C	2 pcs	980 x 1000 x 780
T01-700425	760L	380V 50HZ	1275W	RT+20 - 500°C	2 pcs	980 x 1000 x 780

PosiTest OTL Temperature Probes



Ref: T01-20559-73 [Click to view online](#)

A wide variety of temperature probes are available for the PosiTest OTL with 1.8, 3.6, or 6 m (6', 12', or 20') stainless steel braided cables (sold separately). Certificate of Calibration showing traceability to NIST included.

Options

Model	Description	Length	Temperature Range
T01-20559	Spring Clamp – Surface Probe	1800mm	-100 to 500°C
T01-20560	Spring Clamp – Surface Probe	3600mm	-100 to 500°C
T01-20561	Spring Clamp – Surface Probe	6000mm	-100 to 500°C
T01-20562	Spring Clamp – Air Probe	1800mm	-100 to 500°C
T01-20563	Spring Clamp – Air Probe	3600mm	-100 to 500°C
T01-20564	Spring Clamp – Air Probe	6000mm	-100 to 500°C
T01-20565	Magnetic – Surface Probe	1800mm	-100 to 300°C
T01-20566	Magnetic – Surface Probe	3600mm	-100 to 300°C
T01-20567	Magnetic – Surface Probe	6000mm	-100 to 300°C
T01-20568	Magnetic – Air Probe	1800mm	-100 to 300°C
T01-20569	Magnetic – Air Probe	3600mm	-100 to 300°C
T01-20570	Magnetic – Air Probe	6000mm	-100 to 300°C
T01-20571	Washer – Surface Probe	1800mm	-100 to 500°C
T01-20572	Washer – Surface Probe	3600mm	-100 to 500°C
T01-20573	Washer – Surface Probe	6000mm	-100 to 500°C

STIRRERS & SHAKERS

Reproducibility is key to accurate testing, and as with other laboratory processes, mixing, stirring, and shaking require instruments that have been designed to perform these tasks in a controlled and uniform way.

We offer many different types of mixers, stirrers and shakers including air mixers for use in volatile environments where sparking must be avoided. For use with a variety of liquids including inks, paints, and adhesives and with options for both fixed and portable operation.

Portable Stirrer



Ref: T01-701009 [Click to view online](#)

Rechargeable and convenient, our Portable Stirrer can be used anywhere due to the 4.0Ah 18V battery and is suitable for a wide variety of mixtures including, paints glue and ink. Smooth stable operation prevents splashes.

- Battery Voltage: 18V
 - Speed: 0~1200r/min
 - Diameter of Stirring blade: 120mm
- Battery Capacity: 4.0Ah
 - Max. Torque: 45N·m
 - Net Weight: 3.5kg

Precise Digital Overhead Stirrer



Ref: T01-701000-04 [Click to view online](#)

High quality precise digital overhead stirrers with brushless motor for smooth and reliable operation. Auto cut off for safety and capable of running for extended periods of time.

- CE TUV us and FCC certified
- Auto shut-off for overheating or overload
- Smooth start up to avoid sample spills and splashes
- Closed case prevents ingress in accordance with DIN/EN60529
- Dimensions (W×H×D) 83 x 220 x 186 mm

Options

Model	Volume	Speed Range	Accuracy	Display	Maximum Viscosity	Maximum Torque	Power
T01-701000	20L	50 to 2200rpm	± 3rpm	LED	10,000mPa.s	40 N.cm	70W
T01-701001	20L	50 to 2200rpm	± 3rpm	LCD	10,000mPa.s	40 N.cm	70W
T01-701002	40L	50 to 2200rpm	± 3rpm	LED	50,000mPa.s	60 N.cm	130W
T01-701003	40L	50 to 2200rpm	± 3rpm	LCD	50,000mPa.s	60 N.cm	130W
T01-711004	70L	50 to 1100rpm	± 10rpm	LCD	100,000mPa.s	300 N.cm	200W

Air Pneumatic Mixers



Ref: T01-701004-08 [Click to view online](#)

These air pneumatic mixers are designed to be used in environments where sparking needs to be avoided, such as when working with solvents. They use compressed air (5kg/cm2/70psi) for power and we offer a range of models including fully portable, bench and fixed mounts.

- Cool and electricity free operation
- Can rotate clockwise or counter-clockwise

Options

Model	Capacity	Speed Range	Maximum Torque	Power	Type
T01-701004	1 to 10Kg	0 to 1100rpm	0.64 N.m	0.1 HP	Floor Mounted
T01-701005	20 to 50Kg	0 to 900rpm	1.56 N.m	0.25 HP	Floor Mounted
T01-701006	20 to 50Kg	0 to 900rpm	1.56 N.m	0.25 HP	Portable (with bench)
T01-701007	50 to 200Kg	0 to 720rpm	4.8 N.m	0.5 HP	Portable (No Bench)

Closed Paint Mixer/Shakers



Ref: T01-701010-13 [Click to view online](#)

We offer both Shaking and Rotation mixers in both manual and automatic clamping options. These allow for fast and even dispersal without the possibility of any leaks or spillage as the container is securely clamped during operation.

- Manual Clamp Models
- Auto shutoff if door is opened during operation
- Automatic Clamp Models: Digital display showing status and run time
- Audible alarm in case of error requiring reset
- Automatically detects container size and clamps accordingly

Options

Model	Capacity	Container Height	Clamp	Shaking Frequency	Revolution	Rotation
T01-701011	0.5L to 20L	100 to 380mm	Automatic	680 to 710 times/min	N/A	N/A
T01-701013	0.5L to 20L	70 to 390mm	Automatic	N/A	130 per min	260 per min

Multifunction High Speed Disperser



Ref: T01-20656 [Click to view online](#)

With a brushless motor for smooth and quiet operation, the Multifunction High Speed Disperser is operated by the intuitive touch screen menu. The built in infrared probe allows for monitoring of samples throughout testing without disturbance.

It has a timer function that ensures testing is stopped when the set time is reached. Samples are held in place securely by the integral clamp which is adjusted easily by the manual adjuster. A wide variety of blades are available as separate accessories along with containers designed for use with the disperser.

- Power: 1000W (Brushless DC motor)
- Lift Height: 260mm
- Net Weight: 40KG
- Supplied with dispersing blades: one each of Ø50mm and Ø80mm
- Adjustable Working Speed: 200~6,000r/min
- Overall Dimensions: 450mm×450mm×700mm

Accessories

See range of accessories available, below



Accessories

Dispersing Blades for use with Multifunction High Speed Disperser



Dispersal Blade options:

- 35mm - Ref: T01-20657
- 80mm - Ref: T01-20660
- 150mm - Ref: T01-20663
- 50mm - Ref: T01-20658
- 100mm - Ref: T01-20661
- 200mm - Ref: T01-20664
- 60mm - Ref: T01-20659
- 120mm - Ref: T01-20662

Heavy Duty Dispersing Blade for high viscosity samples:

- 50mm - Ref: T01-20667
- 60mm - Ref: T01-20668

Dispersing Containers for use with Multifunction High Speed Disperser



Single Walled Dispersal Container options:

- 0.3L Single Walled - Ref: T01-20669

Double Walled Dispersal Container options:

- 0.5L Double Walled - Ref: T01-20670
- 3L Double Walled - Ref: T01-20672
- 10L Double Walled - Ref: T01-20674
- 1.25L Double Walled - Ref: T01-20671
- 5L Double Walled - Ref: T01-20673
- 20L Double Walled - Ref: T01-20675

INSPECTION & TEST EQUIPMENT

- | | |
|------------------------------|-----------------------|
| • Abrasion | • Adhesion Testers |
| • Appearance | • Coating Performance |
| • Dewpoint & Temperature | • Drying Time |
| • Elasticity and Deformation | • Film Application |
| • Hardness and Scratch | • Inspection Kits |
| • Pinhole and Porosity | • Surface Profile |
| • Test Panels & Charts | • Thickness |
| • Viscosity | |

A comprehensive range of equipment and consumables for both laboratory and field applications. In accordance with recognised International Standards, all of our instruments allow for accurate, reliable, and reproducible testing.

Our Inspection and Test Equipment is arranged by category to make it easy to find the items that you need and any other related equipment.

ABRASION

It is important to evaluate the resistance of coated surfaces to abrasion. Abrasion commonly occurs when a coated surface meets another surface or substance. In heavy traffic areas, painted surfaces may need to be regularly cleaned, and again it is important to evaluate the effect of repeated washing, with or without detergents on the coating being used.

It is not only from a cosmetic point of view that we need to determine the resistance of coatings. Depending on the substrate, a loss of coating over time may lead to corrosion and weaknesses. We supply a variety of laboratory instruments that are designed to test the resistance of coatings to scrubbing, water, solvents, and other abrasions. They are compliant with a wide range of international standards.

Falling Sand Abrasion Tester



Ref: T01-700723 [Click to view online](#)

The Falling Sand Abrasion Tester is used to determine the abrasion resistance performance of organic coatings. Abrasive Sand is allowed to fall from a specified height through a guide tube onto a coated panel until the substrate becomes visible.

- Relevant Standard: ASTM D 968
- Length of conduct pipe: 36 inch (914mm)
- Volume of hopper: 3L
- Overall dimensions: 230mm×200mm×1500mm (L x W x H)
- Height adjustable
- Inner diameter: 0.75 inch (19mm)
- Weight: 25kg

 Test Standards:	• ASTM D968
	

R.C.A. Paper Abrasion Wear Tester

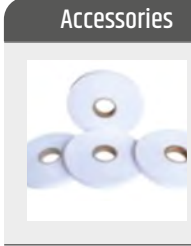


Ref: T01-700725 [Click to view online](#)

R.C.A. Paper Abrasion Wear Testers have been designed to test numerous shapes and finishes with ease and consistency. A simple change to the adjustable vertical shaft allows for testing of flat, convex, and concave shaped surfaces.

Supplied as standard with: 2 x Paper Roll, 1 x 1/4" Roll of Paper, 3 x Weights 55g / 175g / 275g, 1 x Wrench Set, 1 x Universal Vice, 5 x Extra O-Ring, 1 x Dust Cover, 1 x Surface Gage & Indicator Set.

- Power: 50HZ/220V
- Size: 800 (L)×300 (W)×380 (H) mm
- Weight: 20KG

	R.C.A. Paper (40 Rolls/Box) Ref: T01-700726 P40 rolls of R.C.A. paper for use with the R.C.A. Paper Abrasion Wear Tester.
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 Test Standards:	• ASTM F2357-04
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Rotational Abrasion Tester



Accessories

See range of accessories available, opposite


Ref: T01-700721-2 [Click to view online](#)

Rotational Abrasion Tester for determining abrasion resistance performance of various coatings. Also used to determine abrasion resistance of paper, plastics, fabrics and more. Available in 2 models, to suit different sample thicknesses, as well as a range of consumables for the rotational abrasion tester.

- Supports multiple abrasion mediums for different tests.
- Specimen turntable speed control options of both 60 rpm and 72 rpm.
- LCD display for accurate and convenient setting and monitoring to the whole test.
- Three different precise stainless steel weights (500g, 750g, 1000g) ensure the different requirements for different loads. Weights are marked to show total load on each wheel. This marking includes the weight of the abrading arm (250 grams).
- Abrading arms and fixing sleeve of abrading wheel are calibrated and balanced at factory.
- A vacuum system is included and equipped with cleaner to move the loose abrading's or any dirt.
- A precision vacuum nozzle adjustment control allows the height to be modified for accommodating varying specimen thickness.
- A Quick Release Mounting Hub permits quick wheel mounting without the need of a locking nut.
- Equipped with S-11 Resurfacing medium disc from Taber company.
- Equipped with a pair of standard abrasive rubber wheel CS-10 or CS-17 from Taber company.
- Dimension of abrasive sheet: 50mm×16mm (centre hole) x 13mm.
- Platform speed: 60±2r/min or 72±2r/min.
- Range of count: 0~9999 times.
- Load weight: 500g-750g-1000g
- Main motor power: 25W 220V 50Hz
- Overall dimension: 320×280×254 (L x W x H)
- Net Weight: 20KG.

Options

- **T01-700721: Rotational Abrasion Tester** - for sample thicknesses of 20-25mm (with 1 pair of rubber wheels and 1 x Emery cloth)
- **T01-700722: Rotational Abrasion Tester** - for sample thicknesses of 0-5mm (with 1 pair of Taber wheels)

 Test Standards:	• DIN 52347	• ISO 5470	• ISO 7784-2	• ASTM D4060
	• DIN 53109	• ISO 9352	• ASTM C217	• ASTM D5342
	• DIN 53754	• ISO 3573	• ASTM D1044	
	• DIN 53799	• ISO 4586-2	• ASTM D3389	

Accessories

180 # emery cloth
(pack of 100)



Ref: T01-700727

Pack of 100 pcs of 180 Grit Emery Cloth for use with the Rotational Abrasion Tester.

Aluminium Panel with
circular hole (pack of 100)



Ref: T01-700736

Aluminium Panel with circular hole for Rotational Abrasion Tester, pack of 100.

CS-10 Taber Abrading
Wheels



Ref: T01-700740

CS-10 Taber Abrading Wheels for Rotational Abrasion Tester (1 Pair).

CS-11 – Taber resurfacing
Medium Disc



Ref: T01-700742

CS-11 - Taber resurfacing Medium Disc for Rotational Abrasion Tester (Pack of 100).

CS-17 Taber Abrading
Wheels



Ref: T01-700741

CS-17 Taber Abrading Wheels for Rotational Abrasion Tester (1 Pair).

Fixing ring for soft
material



Ref: T01-700728

Fixing Ring for soft materials such as paper, plastic film, cloth etc. For use with the Rotational Abrasion Tester.

Glass Panel with circular hole



Ref: T01-700729

Glass Panel with circular hole for Rotational Abrasion Tester (Pack 100). Ref: T01-700729

Standard Zinc Panel for
calibration



Ref: T01-700737

Zinc Panels for calibration of Rotational Abrasion Tester Pack of 10.


Multifunction Abrasion Scrub Tester



Ref: T01-700700 [Click to view online](#)

Multifunction Abrasion Scrub Tester is a powerful abrasion tester, by changing different abrasion heads, it can perform a wide range of testing standards for linear reciprocating abrasion, including wet abrasion scrub, sponge washability, scrub resistance, cleanability, dirt pickup resistance, MEK test, Rub test etc. Test parameters can be quickly and easily entered using the touch screen and the status of the test can be viewed at any time.

- Double working channels, each equipped with a separate container for scrub medium allowing two different type mediums to do two different tests or to do wet abrasion and dry abrasion test at the same time.
- Push-rod design for reciprocating motion for stability and reliable test results.
- Stroke Length: 0~300mm (adjustable) Speed : 5~95 times/min (adjustable).
- Peristaltic pump
- Range of count: 0~9999 times
- Power of motor: 25W
- Capacity of Water Container: 500ml ×2
- Compatible for 110V/220V and 50HZ/60HZ
- Size of test plate: 430×150×0.03mm
- Overall size: 500×460×280mm

 Test Standards:	• ISO 11998	• ASTM D 3450	• ASTM D 4828	• DIN EN 13300
	• ASTM D 2486	• ASTM D 4213	• ASTM D 4752	

Wet Abrasion Scrub Tester



Ref: T01-700707-13 [Click to view online](#)

Wet Abrasion Scrub Testers for accurate, controlled resistance testing. Our Wet Abrasion Scrub Testers can produce repeatable, controlled conditions to simulate everyday use or wear pattern and examine washability and related properties that affect the stain resistance of coating as well as determining detergent performance in a reproducible manner. We offer several options dependent on the test standards being followed.

- Running speed can be set to meet requirements of different standards
- Timer function
- Compatible with a variety of abrasion pads to comply with different standards requirements
- Easy to use- loading samples and replacing abrasion heads is quick and simple
- Stable and uniform running speed
- Features two brush holders for side by side testing
- Anodised aluminium body for stability even at high speeds
- Specification of brush: Nylon brush bristles in 5/4 pattern extending 19mm from block, Weight of brush (including device holding brush) : 454±10 g (ASTM D 2486) 135±1g (ISO 11998)
- Stroke Length: 300mm
- Frequency of travel: 5~95 times/min (adjustable)
- Range of count: 0~9,999 times
- Size of test plate: 430×150×0.03mm
- Power of motor: 25W
- Power: 110V~220V 50/60 Hz
- Overall size: 500×460×280mm
- Capacity of Water Container: 1L

Options

Model	Test Standard
T01-700707	In accordance with ASTM D 2486
T01-700708	In accordance with ISO 11998 (no pump)
T01-700709	In accordance with ASTM D 3450
T01-700710	In accordance with ASTM D 4213
T01-700711	In accordance with ASTM D 4828
T01-700712	In accordance with DIN 53778
T01-700713	In accordance with ASTM D 2486 & ISO 11998

Accessories

See range of accessories available, opposite

Test Standards:

- ASTM D 2486
- ASTM D 4828
- ASTM D 3450
- DIN EN 11330
- ASTM D 4213
- EN ISO 11998

Portable Wet Scrub Resistance Tester



Ref: T01- 700427 [Click to view online](#)

In addition to laboratory testing, real world evaluations are an important part of product development and quality control. ISO 23169-2020 incorporates on-site testing of coatings. This testing can be carried out using different materials, from scraping with a blade to using a sponge, however as there is not a standardized test, the results can be subjective and are rarely repeatable.

In order to create accurate and repeatable results on-site, we offer our Portable Wet Scrub Resistance Tester, which is simple to use, fully portable and can be used on all coatings.

- Dimensions: 200 x 55 x 80 mm (L x W x H)
- Weight: 265g
- Sponge area: 60mm x 35 mm
- Sponge Density: 41±2 kg/m³
- Sponge Hardness: 330N ± N (40% compressed hardness)

Test Standards:

- ISO 23169-2020

Accessories

Abrasion Heads (WAST) for ASTM D2486



Ref: T01-700738
For use with Wet Abrasion Scrub Tester. Nylon brush+ Weights, total weight is 450±10g, One pair.

Sponges for Portable Wet Scrub Tester (Pack of 12)



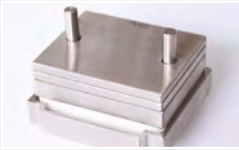
Ref: T01-700428
Sponges for Portable Wet Scrub Tester Supplied in a pack of 12. For use with the Portable Wet Scrub Tester.

Sponge + Black Cloth for Portable Wet Scrub Tester (Pack of 12)



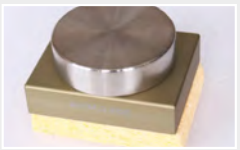
Ref: T01-700429
Sponge + Black cloth for Portable Wet Scrub Tester. Supplied in a pack of 12 For use with the Portable Wet Scrub Tester.

Abrasion Heads for ASTM D 4752



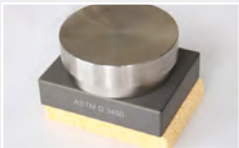
Ref: T01-700742
1.5cm2 area Cotton gauze+ Weights total 1000±10g.

Abrasion Heads for ASTM D 4828



Ref: T01-700719
Sponge + Weights, Total weight 1000g, One pair.

Abrasion Heads for ASTM D3450



Ref: T01-700717
Sponge+3M Scotch Brite pads +Weights, total weight 470±10g, One pair.

Abrasion Heads for ASTM D4213



Ref: T01-700718
Sponge+3M Scotch Brite pads +Weights, total weight 470±10g, One pair.

Abrasion Heads for DIN 53778



Ref: T01-700714
Hog Bristle Brush+ Weights) Total weight is 250g (±10g).

Abrasion Heads for ISO 11998



Ref: T01-700716
3M Scotch Brite hand pads + Weights, total weight 135±1g, One pair.

Bristle Brushes



Ref: T01-700733
Bristle Brushes for Wet Abrasion Scrub Tester and Multifunction Abrasion Scrub Tester (DIN 53778) One pair.

Abrasive pad (3M Scotch Brite®)For ISO 11998



Ref: T01-700730
A pack of 100 special abrasive pads for use with Wet Abrasion Scrub Testers and Multifunction Abrasion Scrub Tester.

Black Plastic Panel for Abrasion Scrub Testers



Ref: T01-701708
Black Plastic Panel (432 x 165 x 0.25mm) Pack 1000 for use with Multifunction Scrub Abrasion Tester.

Brass Shim



Ref: T01-700735
Brass Shims for use with Abrasion Scrub Testers. 165×12.7×0.25m (10 pairs).

Special Nylon Brush (ASTM D2486)



Ref: T01-700705
Special Nylon Brush 2 pcs/ package, for ASTM D 2486 for use with Wet Abrasion Scrub Tester and Multifunction Abrasion Scrub Tester.

Sponges for ASTM D 4213 & ASTM D 4828



Ref: T01-700747
Sponges for ASTM D 4213 & ASTM D 4828. Pack of 12. For use with Wet Abrasion Scrub Tester and Multifunction Abrasion Scrub Tester.

Sponges for ASTM D 3450



Ref: T01-700734
Sponges for ASMT D 3450 for Wet Scrub Testing. Pack of 12.

Solvent Rub Resistance Tester



Ref: T01-700720

[Click to view online](#)

The Solvent Rub Resistance Tester is used for a Solvent Rub Test, usually using methyl ethyl ketone (MEK) as the solvent. The MEK resistance or degree of cure applies to paint topcoats and primers. The test is used widely in the paint industry because it provides a quick relative estimation of degree of cure without having to wait for long-term exposure results.

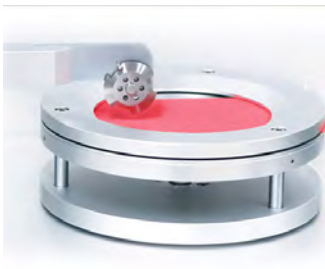
- Relevant Standards: ASTM D 4752 and NCCA11-18 (Test Method for Measuring MEK Resistance of Ethyl Silicate (Inorganic) Zinc-Rich Primers by Solvent Rub)
- Micro-computer control- LCD displays data and allows you to set parameters
- Motor Power: 60W 220V 50Hz
- Rubbing weight: 1000±10 g
- Rubbing speed: 5-95/min (stepless speed regulation)
- Rubbing head diameter: 14±0.5 mm (area is 1cm²)
- Rubbing Distance: 120mm (also can be customized)
- Rubbing times: 0~9999
- Overall dimensions: 270×310×340mm (L x W x H)
- Weight: 15Kg

Test Standards:
• ASTM D 4752
• NCCA11-18

ADHESION TESTERS

Adhesion testing is widely used in the paint and coatings industries to determine the adherence of a coating to a substrate, and to assess the behaviour of layers of a coating. Poor adherence can lead to cracking, peeling and subsequent damage to the exposed substrate. We supply cross cut testers along with pull-off testers together with all necessary accessories and consumables to enable adhesion testing to recognized standards.

Automatic Cross Hatch Cutter



Ref: T01-700409

[Click to view online](#)

As an important method to evaluate the degree of adhesion between coatings and substrates, the cross hatch method is widely used. Although the traditional manual method is simple and convenient, it is liable to inaccuracies caused by different operators, or even the same operator using a different speed and force for each test. The latest ISO 2409-2019 standard advises that in order to obtain uniform and consistent cutting, automatic cross hatch adhesion testers should be used as far as possible.

Uses a 7-inch industrial grade full touch screen, which can edit relevant cutting parameters and display the parameters clearly and intuitively.

Cutting speed, cutting load, cutting intervals and cutting number (landscape cuttings & portrait cuttings) can be set.

Test Standards:
• ISO 2409
• ASTM 3359

Cross Cut Test Analyser



Test Standards:
• ISO 2409
• ASTM 3359

Ref: T01-700426

[Click to view online](#)

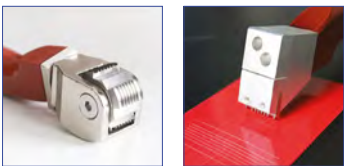
Traditionally analysis of cross cut testing is done by the naked eye. This can mean that results vary by operator and can affect the reliability of the analysis.

Our automatic analyser uses a camera and LED illumination to record results and then analysis is performed by computerised digital image processing.

The software automatically recognises the number of cuts, cutting width and spacing as well as the percentage of affected area of the sample.

Connection is via a standard USB port.

Cross Hatch Cutter



Test Standards:
• BS3900 E6
• BS/EN ISO 2409
• ASTM D 335
• ASTM D3302

Accessories

See range of accessories available, below

Ref: T01-700455-64

[Click to view online](#)

The Cross Hatch Cutter is a multi-blade cutting tool which enables an assessment to be made of the adhesion resistance of coatings to separation from substrates.

All models have comfortable wooden handle and cutter head that can be adjusted, making it easy to use on uneven, or curved surface Models with multiple cutting edges allow the user to select new blade when required. Replacement cutter heads are also available on request. Supplied in Carrying Case with Adhesion Test Tape, brush, magnifier and Calibration Certificate.

Model	Cutter Spacing	No. of teeth	No. of Cutting Edges
T01-700455	1mm	11	8
T01-700456	1mm	6	8
T01-700457	2mm	11	8
T01-700458	2mm	6	8
T01-700459	3mm	6	8
T01-700460	1mm	11	1 (Rake type)
T01-700461	1mm	6	1 (Rake type)
T01-700462	2mm	11	1 (Rake type)
T01-700463	2mm	6	1 (Rake type)
T01-700464	3mm	6	1 (Rake type)

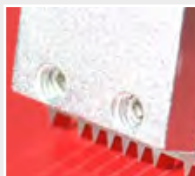
Accessories

Spare Cutter for 8 Cutting Edge



Ref: T01-700465
Available in 5 variants.

Spare Cutter for Rake Type Model



Ref: T01-700466
Available in 5 variants.

Spare Adhesion Test Tape



Ref: T01-00060
60m roll of Adhesion Test Tape for use with the Cross Hatch Cutter.

Cross Cutting Rule



Ref: T01-00025

[Click to view online](#)

Cross Cutting Rule is used to test the adhesion of film with substrate (the thickness of dry film of less than 250µm).

- Cutting distance: 1mm; 1.5mm; 2mm; 3mm
- Cutting Length: 35mm
- Cutting Number: 11 teeth for each
- Blade thickness 0.43mm±0.03mm
- Single-blade Cutter: With V shape cutting edge (15°~30°)

Accessories



Cutter Blade (Pack of 10) Ref: T01-00026

Cutter Blade (Pack of 10) for use with Cross Cutting Rule.



Test Standards:

- ISO 2409
- BS 3962-6

Hydraulic Adhesion Tester



Ref: T01-01000/5

[Click to view online](#)

The Adhesion Tester will measure the adhesion bond strength of applied coatings on flat and curved surfaces by the tensile pull on a Dolly glued to the coating. Available with standard or right angle dolly connections.

Supplied in an industrial Carrying Case with 5 Flat Dollies, Turbo Fuse Adhesive, Dolly Cutter, Heated Dolly Remover, Dolly Cleaning Tool, Dolly Plug. The Calibration Certificate with traceability to UKAS is an optional extra.

Options

- **T01-01000: Analogue Adhesion Tester** - Standard: 0-3500psi (0-25 MPa)
- **T01-01005: Analogue Adhesion Tester** - Right Angle: 0-3500psi (0-25 MPa)



Accessories

See range of accessories available on pg 27



Test Standards:

- ISO 4624
- ISO 16276-1
- ASTM D4541

Accessories

Dollies for Hydraulic Adhesion Testers



Available in convex or concave dollies from 2" to 36":

- | | | | |
|-------------------------------|-----------------------|-------------------------------|-----------------------|
| • Concave Dolly - 51mm (2") | Ref: T01-01008 | • Concave Dolly - 76mm (3") | Ref: T01-01009 |
| • Concave Dolly - 102mm (4") | Ref: T01-01010 | • Concave Dolly - 152mm (6") | Ref: T01-01011 |
| • Concave Dolly - 203mm (8") | Ref: T01-01012 | • Concave Dolly - 254mm (10") | Ref: T01-01013 |
| • Concave Dolly - 305mm (12") | Ref: T01-01014 | • Concave Dolly - 356mm (14") | Ref: T01-01015 |
| • Concave Dolly - 406mm (16") | Ref: T01-01016 | • Concave Dolly - 457mm (18") | Ref: T01-01017 |
| • Concave Dolly - 508mm (20") | Ref: T01-01018 | • Concave Dolly - 610mm (24") | Ref: T01-01019 |
| • Concave Dolly - 762mm (30") | Ref: T01-01020 | • Concave Dolly - 914mm (36") | Ref: T01-01021 |
| • Convex Dolly - 152mm (6") | Ref: T01-01022 | • Convex Dolly - 203mm (8") | Ref: T01-01023 |
| • Convex Dolly - 254mm (10") | Ref: T01-01024 | • Convex Dolly - 305mm (12") | Ref: T01-01025 |
| • Convex Dolly - 406mm (16") | Ref: T01-01027 | • Convex Dolly - 457mm (18") | Ref: T01-01028 |
| • Convex Dolly - 508mm (20") | Ref: T01-01029 | • Convex Dolly - 610mm (24") | Ref: T01-01030 |
| • Convex Dolly - 762mm (30") | Ref: T01-01031 | • Convex Dolly - 914mm (36") | Ref: T01-01032 |

Dolly Plugs (Pack of 5) Ref: T01-01035

The Dolly Plug is inserted into the Dolly until the tip protrudes from the surface. Apply Adhesive thinly and evenly to the whole end surface of the Dolly in sufficient quantity to ensure a good bond to the protective coating. Ensure that no Adhesive is on the Plastic Plug. Press the Dolly onto the surface using thumb pressure for approximately 10 seconds and then remove the Dolly Plug.



Flat Dolly Ref: T01-01033

The Flat Dolly is for flat surfaces and pipe radiuses of over 42".

Turbo Fuse Adhesive Ref: T01-01034

The Turbo Fuse Adhesive is a Cyanoacrylate Adhesive used to glue the Dollies to the coating for testing using the Adhesion Tester.

PosiTest AT Verifier



Ref: T01-20508

[Click to view online](#)

Adhesion Tester Accuracy Verification Kit. Ideal for checking the accuracy and operation of adhesion testers and is an important component in fulfilling both ISO and in-house quality control requirements.

- Peak hold and real time reading display
- Ready to use with all PosiTest AT Pull-Off Adhesion Testers
- Fitted with a permanent steel 20 mm loading fixture (dolly). A conversion factor is used to verify other sizes
- Bonded foil strain gages are hermetically sealed for protection against industrial environments
- Ideal for field or laboratory use
- Portable – requires no external power source
- High precision load cell and handheld smart sensor indicator
- Certificates of Calibration showing traceability to NIST are included for both the load cell and smart sensor indicator
- Comes with a Sample Certificate of Accuracy and Measurement Uncertainty Worksheet
- Range - 0 - 5,000 psi
- Resolution - 1 psi
- Accuracy : ± 6.33 psi (± 0.044 MPa)



PosiTest® AT-A Pull-off Adhesion Testers



Accessories

See range of accessories available on pg 29



Test Standards:

- ASTM C1583/D4541/D7234
- ISO 4624/16276-1
- EN 1542/12004-2
- AS/NZS 1580.408.5

Ref: T01-00005/T01-00002/T01-20498/T01-20499

[Click to view online](#)

Measures adhesion of coatings to metal, wood, concrete and other rigid substrates.

- Electronically controlled hydraulic pump automatically applies smooth and continuous pull-off pressure. Greatly reduces user effort and the risk of influencing the pulling process
- User adjustable pull rate, pull limit and hold time
- Internal memory stores maximum pull-off pressure, rate of pull, test duration, dolly size, pass/fail, nature of fracture and user notes for 100,000 pulls in up to 1,000 batches
- Impact and scratch resistant color touch screen with keypad for operation with or without gloves
- Compatible with PosiSoft Desktop, PosiSoft.net and PosiTector App (Apple iOS and Android)

Options

Model	Kit Type	Range	Resolution	Application	Included Dollies	Cutting Tool
T01-00005	Auto 20mm Kit	0.7 - 24 MPa 100 - 3500 psi 220 - 7550 N	0.01 MPa 0.02 (1 psi)	Higher bond strength coatings on metals	Ø20mm (qty 20) Aluminium	20mm hole saw
T01-00002	Auto 50mm Kit	0.4 - 3.8 MPa 50 - 560 psi 100-7550 N	0.01 MPa (1 psi)	Coatings on concrete, wood, and plastic	Ø50mm (qty 8) Aluminum	50mm hole saw
T01-20498	Auto 50mm C1583 Kit (ASTM C1583 and EN 1542)	0.4 - 3.8 MPa 50 - 560 psi 100-7550 N	0.01 MPa (1 psi)	Concrete surfaces and overlays	Ø50mm (qty 4) with ≥ 25mm thickness Steel	50mm diamond grit hole saw with arbor
T01-20499	Auto 50x50mm Tile Kit (EN 12004-2)	0.1 - 3.0 MPa 13 - 440 psi 100-7550 N	0.01 MPa (1 psi)	Cementitious adhesives for tiles	50x50mm Plate (qty 4) with threaded post Steel	50mm diamond grit hole saw with arbor

PosiTest® AT-M Pull-off Adhesion Testers



Accessories

See range of accessories available on pg 29



Test Standards:

- ASTM C1583/D4541/D7234
- ISO 4624/16276-1
- EN 1542/12004-2
- AS/NZS 1580.408.5

Ref: T01-00010/T01-00001/T01-20496/T01-20497

[Click to view online](#)

Measures adhesion of coatings to metal, wood, concrete and other rigid substrates.

- Select from four Stand-offs - 20 mm, 50 mm, 50x50 mm Tile and 50 mm C1583
- Environmentally sealed enclosure—weatherproof, dustproof and shockproof—meets or exceeds IP65
- Inexpensive, single-use dollies eliminate cleaning for re-use and can be kept as a permanent record
- Self-aligning aluminum dolly enables accurate measurements on smooth or uneven surfaces
- 10, 14, 20 or 50 mm dollies maximize capability and measurement resolution across a wide range of bond strengths
- Calibrated and certified to ± 1% accuracy using a NIST traceable load cell
- Certificate of Calibration showing traceability to NIST included (Long Form)

Options

Model	Kit Type	Range	Resolution	Application	Included Dollies	Cutting Tool
T01-00010	Manual 20mm Kit	0.7 - 20 MPa 100 - 3000 psi	0.01 MPa	Higher bond strength coatings on metals	Ø20mm (qty 20) Aluminium	20mm hole saw
T01-00001	Manual 50mm Kit	0.4 - 3.3 MPa 50 - 480 psi	0.01 MPa	20mm hole saw	Ø50mm (qty 8) Aluminum	50mm hole saw
T01-20496	Manual 50mm C1583 Kit (ASTM C1583 and EN 1542)	0.4 - 3.3 MPa 50 - 480 psi	0.01 MPa	50mm hole saw	Ø50mm (qty 4) with ≥ 25mm thickness Steel	50mm diamond grit hole saw with arbor
T01-20497	Manual 50x50mm Tile Kit (EN 12004-2)	0.4 - 2.585 MPa	Ø50mm (qty 4) with ≥ 25mm thickness Steel	50mm diamond grit hole saw with arbor	50x50mm Plate (qty 4) with threaded post Steel	50mm diamond grit hole saw with arbor

Accessories

Positest Dollies for Positest Adhesion Testers



Loading fixtures, stubs for adhesion testing:

• 10mm (pack 10)	Ref: T01-00003	• 10mm (pack 100)	Ref: T01-20505
• 14mm (pack 10)	Ref: T01-00004	• 14mm (pack 100)	Ref: T01-20506
• 20mm (pack 10)	Ref: T01-00007	• 20mm (pack 100)	Ref: T01-20503
• 50 x 50mm Tile (pack 10)	Ref: T01-00014	• 50mm C1583	Ref: T01-00012
• 50mm Tile (pack 4)	Ref: T01-00008	• 50mm (pack 50)	Ref: T01-20504

Adhesive Kit for Adhesion Dollies



Ref: T01-00011

ResinLab EP11HT 2-Part Epoxy with additional glue, mixing sticks, palettes and cotton swabs.

Drilling Template for 50mm dollies



Ref: T01-00006

Drilling template and drill bits to isolate test area, ideal for thicker coatings on concrete. Includes (10) drill bits 5/32" (4 mm).

50 x 50mm Plate



Ref: T01-00013

50mm x 50mm Plate. Package of 4. For PosiTest® Adhesion Tester.

Pelican Case (For Automatic Models)



Ref: T01-20507

Heavy-duty, waterproof Pelican case complete with a custom foam insert to securely hold your PosiTest AT-A instrument.

APPEARANCE

The assessment of colour is an important measure in ensuring accuracy and uniformity of products. Inspection and colour matching is used as a quality control measure across many industries including inks, paints, plastics, cosmetics, textiles, knitwear, leather, food, and paper.

We supply the industry standard RAL and Pantone charts which form the basis of all colour formulae along with measuring instruments such as glossmeters and spectrophotometers.

Colour Assessment Cabinet



Ref: T01-700500/T01-700505/T01-700510

[Click to view online](#)

Colour assessment cabinets (also known as illumination test cabinets) are used for the inspection and colour matching of inks, paints, plastics, cosmetics, textiles, knitwear, leather, food, paper, colourants, and other coloured materials. Available in 3 different light combination variations.

- Auto conversion between light sources; different spectrum with the same colour
- No warm-up and no flicker for quick and reliable assessment of sample
- Time running display for each light source
- No heat emission
- Weight 35kg
- Low power-consumption
- Compact and easy to use
- Dimensions 710 x 530 x 570 mm

Options

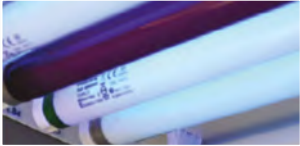
Model	No. of Light Sources	D65	TL84	F/A	UV	CWF	U30
T01-700500	4	•	•	•	•		
T01-700505	5	•	•	•	•	•	
T01-700510	6	•	•	•	•	•	•

 Test Standards:	• ISO 3668	• ISO 13076
	• ASTM D 1729	

Light Source	Description	No of Lamps	Power	Colour Temperature
D65	International Standard Artificial Daylight	2	18W	6500K
TL84	Department Store Light	2	18W	4000K
CWF	Cool White Fluorescent	2	20W	4150K
F/A	Home Light Incandescent	4	40W	2700K
UV	Ultraviolet Light Source	1	18W	Wavelength 365nm
U30	Warm White Fluorescent	2	18W	3000K

Accessories

Complete set of 6 replacement lamps



Ref: T01-700520
Replacement lamps for Colour Assessment Cabinet.

45° Normative Stand



Ref: T01-700515
45° Normative Stand for Colour Assessment Cabinet.

Economic Portable Colourimeter



Ref: T01-700900 [Click to view online](#)

Our Economic Portable Colourimeter offers a simple and fast measurement for colour difference between two samples.

- Built-in white plate parameters-no need to calibrate each time
- Double Locating: Illuminating locating and precise cross locating
- Switchable Double Measurement End Face: Large stable end face and small concave-convex end face
- Integrating Sphere Optical Path Design: Eliminating the stray light of main optical path and auxiliary optical path. Possessing the highest measurement stability and precision
- 4mm Measuring Aperture
- Rechargeable high-capacity Li-ion battery
- CQCS3 software



Accessories

Spectrophotometer and Colourimeter Powder Test Box



Ref: T01-700807
Spectrophotometer and Colourimeter Powder Test Box.

Spectrophotometer and Colourimeter Mini Printer



Ref: T01-700808
Mini Printer for Spectrophotometer and Colourimeter.

Precise Computer Colourimeter



Ref: T01-700901-2 [Click to view online](#)

This Precise Computer Colourimeter uses multi-channel colour sensors, a stable platform and efficient and accurate algorithms to provide accurate and fast colour management and application. Designed with ergonomic operation in mind.

- Auto white and black calibration at start-up (only for T01-700902)
- Ergonomic design, simple operation interface
- Average fluctuation of ΔE is less than 0.06
- Camera locating for small areas
- Min width of locating 4mm (only for T01-700902)
- Illumination locating, rechargeable Li-ion battery

Options

- T01-700901: 8mm Single Aperture colourimeter
- T01-700902: 4mm and 8mm Dual Aperture colourimeter

Accessories

See range of accessories available below

Accessories

Spectrophotometer and Colourimeter Powder Test Box



Ref: T01-700807
Spectrophotometer and Colourimeter Powder Test Box.

Spectrophotometer and Colourimeter Mini Printer



Ref: T01-700808
Mini Printer for Spectrophotometer and Colourimeter.

Basic Glossmeter




Ref: T01-21012-13 [Click to view online](#)

This Basic Glossmeter has a plastic shell and one-body standard board. It can be used for many different applications paints, film, ink, plastics etc. It's compact , easy to use and takes a single AA size battery.

- Reading Range: 0.0~199.9GU
- Zero Error ≤ 0.2 GU
- Measuring Area: 20×10mm
- Volume (L×W×H) : 123×38×65mm
- Power Supply: DC: 1.2~1.5 / One AA-size battery
- Indication Error: ±1.2GU
- Stability ≤ 0.4 GU
- Incidence Angle: 60Deg
- Weight: 300g

Options

- T01-21012: Basic Glossmeter (0.1GU)
- T01-21013: Basic Glossmeter (1.0GU)

 Test Standards:	• ISO 2813	• ASTM D2457	• JIS Z8741	and many more...
	• ASTM D523	• DIN 67530	• BS 3900	

Economic Glossmeter



Ref: T01-21010-11

Click to view online

Cost-effective- easy to use, compact, precise and reliable Glossmeter available in 2 models.

- Cost-effective- easy to use, compact, precise and reliable
- 3.5-inch colour screen, high resolution (480×320)
- Shows 5 groups of testing results simultaneously
- T01-21011 enables simultaneous testing at three angles (20°/60°/85°)
- Data storage function · max.1000 groups
- Calibrates automatically when turned on
- Built-in lithium ion rechargeable batter
- USB/RS 232 interface for printer connection
- Auto power-off

Options

- **T01-21010: Glossmeter 60°**
- **T01-21011: Tri-Glossmeter 20° 60° 85°**

<div> <div></div> <div>Test Standards:</div> </div>	• ISO 2813	• DIN 67530	• BS 3900
	• ASTM D523	• JIS Z8741	and many more...

Glossmeter



Ref: T01-21000/T01-21001

Click to view online

The Gloss Meter will measure the gloss of a surface where an aesthetic appearance of the coating finish is required.

- Calibration; Statistics; (Mean; Number of readings; Max/Min; Coefficient of variation and Standard Deviation);Limits:(Pass/Fail with audible and visual alarm)
- Measurement accuracy ±1%,
- Supplied in an industrial Carrying Case with Gloss Tile and Charger

Options

- **T01-21000: Glossmeter Standard 60° (1-100GU)**
- **T01-21001: Glossmeter Standard 60°/20° Haze 1-100GU/HU**

<div> <div></div> <div>Test Standards:</div> </div>	• ISO 2813

Glossmeter (Curved Surface)



Ref: T01-21002

Click to view online

Glossmeter for measurement over small or curved areas.

- Relevant Standards: ISO2813, ASTMD523, DIN67530
- Reading Range: 0-199.90 GU
- Resolution: 0.1 GU
- Stability: ± 0.4 GU
- Incidence Angle: 60°
- Facula Size: 2 x 2mm
- Accuracy: ± 1.2 GU

<div> <div></div> <div>Test Standards:</div> </div>	• ISO2813	• ASTMD523	• DIN67530

Intelligent Glossmeter



Ref: T01-21014/T01-21015/T01-21004

Click to view online

Versatile glossmeters which can be used to measure the gloss of coating materials such as coatings and inks, but also to measure the surfaces of stone, ceramic tiles, profiles, paper, wood, plastics, films and metals.

- Starting-up self-diagnosis
- Scroll wheels fitted for each of use, enables the user to enter different operation menu quickly
- Menu options presetting: Angle mode, standby time, the size of measuring group, etc
- Large capacity memory Up to 10,000 measured data or 999 groups of data can be stored
- For dual-glossmeter and tri-glossmeter, multi angle measurements can be taken and displayed at the same time with just one-key operation
- Parameters can be displayed directly, such as the current measurement frequency, the current values measured and the averages of the group respectively
- Eight languages: including English, Chinese, German, French, Italian, Spanish, Portuguese and Russian
- The meter can not only measure the gloss value, but also measure the haze equivalent to ASTM D 4039 (suitable for dual-glossmeter and tri-glossmeter)

Options

Model	Description	Measuring Area
T01-21014	60° Glossmeter	9 x 10mm
T01-21015	20°/60° Dual /Haze Glossmeter	9 x 10mm; 9 x 16mm
T01-21004	20°/60°/85° Tri Glossmeter	9 x 10mm; 9 x 16mm; 5 x 39mm

Multifunction Glossmeters



Ref: T01-21016/T01-21017

Click to view online

This Multifunction Glossmeter offers precise measurement, powerful functions, stable performance, easy operation and a wide range of features.

- Automatic calibration on startup
- Intelligent USB Interface, data is stored automatically in csv format to be downloaded to Microsoft Excel
- Large capacity for data storage space, can store one million groups data
- Multifunction can set any measuring times for one sample and calculate its average value, set auto shut-off time, buzzer etc
- Multilingual: English, Chinese, Arabic, Portuguese, Spanish, Russian, French
- Multiple angle modes for choose: Single angle measuring mode (20° or 60° or 85°) and multi angle measuring mode (20° & 60° or 60° & 85° or 20°, 60°, 85°)
- Ultra-low power consumption: One AA alkaline battery can measure 20,000 times
- Supplied as standard with calibration certificate and 1 year warranty

Options

- **T01-21016: Multifunction Glossmeter (60°)**
- **T01-21017: Multifunction Tri Glossmeter (20°/60°/85°)**

<div> <div></div> <div>Test Standards:</div> </div>	• ISO 2813	• JIS Z 8741
	• ISO 7668	• BS 3900
• ASTM D 523	• BS 6161	
	• GB/T 9754, GB/T 9966, GB/T13891	
• ASTM D 2457		
• DIN 67 530		

PosiTector® GLS Gloss Meter



Test Standards:

- ASTM C584/D523/D4039
- ISO 2813/7668
- JIS Z 8741
- AS/NZS 1580.602.2

Ref: T01-20646-54

[Click to view online](#)

Portable gloss measurement for all surface finishes.

- Larger 2.8" impact resistant color touchscreen with redesigned keypad for quick menu navigation
- Weatherproof, dustproof, and water-resistant gage body—IP65-rated enclosure
- Automatic diagnosis and auto calibration performed upon power-on using the protective base plate with integrated calibration standard (tile)
- Fast measurement speeds of 60+ readings per minute
- 2 powerful scan modes for quantifying large surfaces (Advanced models only)
- USB, WiFi, and Bluetooth connectivity to PosiSoft PC, Mac, and smartphone software
- Certificate of Calibration showing traceability to NRC for both the probe and gloss standard included

Options

Model	Description	Geometries	Haze Calculation	Applications
T01-20646	PosiTector® GLS 60-1 Standard Gauge Body and Probe	60°	No	Most gloss applications
T01-20647	PosiTector® GLS 60-3 Advanced Gauge Body and Probe	60°	No	Most gloss applications
T01-20648	PosiTector® GLS 60 Probe Only	60°	No	Most gloss applications
T01-20649	PosiTector® GLS 60-1 Standard Gauge Body and Probe -	20°, 60°	Yes	High to semi-gloss applications
T01-20650	PosiTector® GLS 60-1 Advanced Gauge Body and Probe	20°, 60°	Yes	High to semi-gloss applications
T01-20651	PosiTector® GLS 20/60 Probe Only	20°, 60°	Yes	High to semi-gloss applications
T01-20652	PosiTector® GLS 20/60/85-1 Standard Gauge Body and Probe	20°, 60°, 85°	Yes	High, semi-, and matte-gloss applications
T01-20653	PosiTector® GLS 20/60/85-3 Advanced Gauge Body and Probe	20°, 60°, 85°	Yes	High, semi-, and matte-gloss applications
T01-20654	PosiTector® GLS 20/60/85 Probe Only	20°, 60°, 85°	Yes	High, semi-, and matte-gloss applications

Basic Reflectance Meter



Ref: T01-60817

[Click to view online](#)

This handheld portable reflectance Meter is easy to carry and ideal for field measurement. Widely used to determine substrate hiding power of paint, varnish, light colour paint and colour paste.

- Small, lightweight and portable
- One 1.5V alkaline battery: 50 hours/10000 readings.
- Measurement range: 0-100%
- Repeatability: 1.5%
- Dimensions: 114mm×32mm×64mm
- Auto zero calibration
- Long-term stable light source
- Measurement condition: 45° / 0
- Window size: 12mm×17mm (ellipse)
- Weight: 300g

Test Standards:

- ISO 2814
- ISO 3906
- ISO 6504
- BS 3900
- DIN 55984

Opacity Meter/ Intelligent Reflectometer



Ref: T01-60818

[Click to view online](#)

This opacity meter is used to measure the opacity, or luminous reflectance, of a grey scale. Suitable for the evaluation of a coatings hiding power, or simple shade sorting tasks of metallized films, anodised aluminium, or ceramics. It can calculate the contrast ratio (opacity) and store it.

- Working Angle: 45°
- Resolution: 0.1%
- Repeatability: ≤ 0.5
- Size: 114mm x 32mm x 64mm
- Testing Environment: 10°C-40°C
- No need to warm up
- One 1.5V alkaline Battery: 60 hours/100,000 readings
- Range of Measurement: 0-99.9%
- Accuracy: ±1 unit or 1% of full scale
- Window Size: 12mm x 17mm (ellipse)
- Weight: 180g
- Small and light, easily portable
- Calibrates automatically
- With USB interface and software

Test Standards:

- ISO 2814
- ISO 3906
- ISO 6504
- BS 3900
- DIN 55984

Pfund Cryptometer



Ref: T01-60811

[Click to view online](#)

The Pfund Cryptometer offers a simple and accurate method to test wet film hiding power or determine thickness needed for complete opacity. It gives an estimate of coverage in square meters per litre and is suitable for use with coatings containing pigments.

- Reflectance of white part: 80±2
- Reflectance of black part: ≤ 2
- Two glass plates included as standard K-0.004 & K-0.008
- Supplied as standard in a carry case
- Weight: 1.0 Kg
- Dimensions: (L x W x H): 100 mm x 170mm x 20mm

Test Standards:

- ISO 2814
- ISO 3906
- ISO 6504
- BS 3900
- DIN 55984

PANTONE Colour Chart



Ref: T01-701024

[Click to view online](#)

PANTONE Plus Formula Guide 2022 Version.

- Icons indicate whether a colour is achievable in CMYK or RGB
- Includes ink mixing formulas
- Printed on coated and uncoated text-weight, FSC certified paper
- ColorChecker Lighting Indicator aids lighting evaluation
- Simple index system for easy referencing

RAL Colour Charts



Ref: T01-701022/T01-701023 [Click to view online](#)

The RAL K5 Colour fan deck contains all colours from the RAL CLASSIC colour range and is the definitive guide for selecting and verifying colour for paint and coatings to international standards. Single colour swatch per page - 5cm x 15cm. The RAL K7 Colour Fan Deck contains all colours from the RAL CLASSIC Gloss colour range, with 5 colours per page.

- Fan style with protective cover
- Simple 4 digit coding system
- Selecting and verify colours in many applications
- Internationally recognised

Options

- T01-701022: RAL Colour Chart - K5
- T01-701023: RAL Colour Chart - K7

Spectrophotometer



Ref: T01-700805/T01-700806 [Click to view online](#)

Spectrophotometers accurately measure and express various colour difference formulas and colour indices. This instrument allows the user to easily realise the accurate transmission of colour, and it can also be used as for precise colour matching. Available in two models, varying light sources and single or dual apertures, see below for ordering information.

- Aesthetic design perfectly combined with ergonomics structure
- d/8° geometrical optics structure
- Applied combined LED light source with high life and low power consumption
- Ø8mm aperture, suitable for more samples; can measure SCI and SCE at the same time
- High electronic hardware configuration: 3.5 inch TFT true colour capacitive touch screen, concave grating, 256 pixel dual array CMOS detector, etc
- USB communication mode
- The standard white board with abilities of super wear-resistant, stain-resistant and stable performance
- Large storage capacity, can save more than 10000 test data
- Two standard observer perspectives, multiple light sources modes, a variety of colour systems, conform to a variety of standard chroma indices, meet the needs of various customers for colour measurement
- Camera view locating system, help to position fast, simply and conveniently
- PC software with powerful extension functions

Options

- T01-700805: Spectrophotometer d/8deg LED Light Source - Single Aperture MAV Ø 8mm/Ø 10mm. Combined LED source
- T01-700806: Spectrophotometer d/8deg LED/UV Light Source - Dual Aperture MAV Ø 8mm/Ø 10mm SAV Ø 4mm/Ø 5mm. Combined LED Source, UV Light Source

Test Standards:	• ISO 7724	• ASTM E1164	• DIN 5033
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Accessories

Spectrophotometer Mini Printer



Ref: T01-700808
Mini Printer for Spectrophotometer.

Spectrophotometer Universal Test Components



Ref: T01-700809
Spectrophotometer Universal Test Components.

Spectrophotometer Powder Test Box



Ref: T01-700807
Spectrophotometer Powder Test Box.

Standard Grating Spectrodensitometer



Ref: T01-20655 [Click to view online](#)

This versatile instrument is capable of measuring density, colour, and reflectance. It comes complete with Power Adaptor, USB Cable, Built In Li-ion battery, User Manual, software (download from the website), white and black calibration board, protective cover, polarization filter box, locating box, locating Plate.

- Measurement Geometry: 45/0 45 ring-shaped illumination, 0 degree viewing angle
- Light source: Combined LED light, UV light
- Spectral separation device: Concave grating
- Detector: 256 Image Element Double Array CMOS Image Sensor
- Wavelength Range: 400-700nm
- Wavelength Pitch: 10nm
- Half Bandwidth: 10nm
- Measurement Conditions: Compliance with ISO 13655 measurement conditions - M0 (CIE Light Source A), M1 (CIE Light Source D50), M2 (Excluding UV light source), M3 (M2+Polarized light filter)
- Density Standards: ISO Status T, E, A, I
- Density Index: Density value, density difference, dot area, dot enlargement, overprint, printing characteristics, printing contrast, tone error and gray level
- Measurement aperture: Customized one aperture: Ø2mm, Ø4mm, Ø8mm optional
- Colour Spaces: CIE LAB, XYZ, Yxy, LCh
- Colour Difference Formula: ΔE^*_{ab} , ΔE^*_{94} , ΔE^*_{00}
- Observer Angle: 2°/10°
- Illuminants: A, C, D50, D55, D65, D75, F2, F7, F11, F12
- Repeatability: Chromaticity value: within ΔE^*_{ab} 0.04 (When a white calibration plate is measured 30 times at 5 second intervals after white calibration) except M3

Test Standards:	• ISO 13655
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COATING PERFORMANCE

It is important to be able to accurately predict the behaviour of a coating before application, and to determine the most efficient method of application. Properties such as density, sag and levelling must all be measured and assessed. We offer easy to use and accurate instruments for testing these properties in accordance with recognised International Standards.

Pressure Density Cup



Ref: T01-60806 [Click to view online](#)

Pressure Density Cup for measurement of liquid sample density.

- Weight: (Pressure density cup)1200g
- Compression: 10bar
- Accuracy: Valve: ±1 bar
- Material: Stainless steel
- Volume: 100ml
- Volume: ±1 ml

Test Standards:	• ISO 2811-4	• BS 3900 A22
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Specific Gravity Cups



Ref: T01-60801/60/65 [Click to view online](#)

A range of Pycnometers (also called pyknometers or density cups) for determining the specific gravity or density of coatings, pastes or similar liquids. These specific gravity cups are precision machined to a known internal volume. The pycnometer is filled with the sample to be measured, capped and weighed using precision balances. The sample mass at a known temperature can then be used to calculate its density.

- Made from stainless steel
- Available in 37ml, 50ml or 100ml

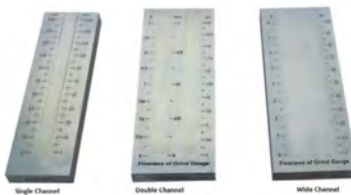
Options

Model	Volume	Material
T01-60801	37 ml	Stainless Steel
T01-60865	50 ml	Stainless Steel
T01-60860	100 ml	Stainless Steel



Stainless Steel Cup

Grindometers



Ref: T01-700200-08; T01-700210/12 [Click to view online](#)

Grindometers or Fineness of Grind Gauges are precision instruments to determine the particle size of many materials like paints, lacquers, pigments, filler, ingredients etc.

- Material: stainless steel
- Graduated in microns; thou; NS (Hegman)
- Tolerance of $\pm 2\mu\text{m}$

Options

Model	Type	Grind Gauge Range	No of Grooves	Graduation	Groove Size (L x W)	Overall Size (L x W x H)
T01-700210	Single Channel	0-15 μm	1	0.75 μm	140 x 12.5mm	170 x 50 x 13mm
T01-700200	Single Channel	0-25 μm	1	1.25 μm	140 x 12.5mm	170 x 50 x 13mm
T01-700201	Single Channel	0-50 μm	1	2.5 μm	140 x 12.5mm	170 x 50 x 13mm
T01-700202	Single Channel	0-100 μm	1	5 μm	140 x 12.5mm	170 x 50 x 13mm
T01-700212	Double Channel	0-15 μm	2	0.75 μm	140 x 12.5mm	175 x 65 x 13mm
T01-700203	Double Channel	0-25 μm	2	1.25 μm	140 x 12.5mm	175 x 65 x 13mm
T01-700204	Double Channel	0-50 μm	2	2.5 μm	140 x 12.5mm	175 x 65 x 13mm
T01-700205	Double Channel	0-100 μm	2	5 μm	140 x 12.5mm	175 x 65 x 13mm
T01-700206	Wide Channel	0-25 μm	1	1.25 μm	140 x 37mm	175 x 65 x 13mm
T01-700207	Wide Channel	0-50 μm	1	2.5 μm	140 x 37mm	175 x 65 x 13mm
T01-700208	Wide Channel	0-100 μm	1	5 μm	140 x 37mm	175 x 65 x 13mm



Test Standards:

- ISO 1524
- ASTM D1316
- ASTM D3333
- DIN En21524
- ASTM D1210

Accessories



Certificate of Calibration Ref: T01-CAL001
UKAS Certificate of Calibration.

Levelling Tester



Ref: T01-700133/T01-700134 [Click to view online](#)

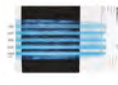
Levelling tester designed to determine the relative levelling of liquid coating materials before curing in the laboratory. It is made of stainless steel with straight scraper fitted with 5 pairs of notches of increasing depth.

- Range from 100 - 4000 μm dependant on model
- Overall dimensions: 120x20x20mm (LxWxH)
- Weight: 0.3kg

Options

- T01-700133: Levelling Tester 100-1,000 μm
- T01-700134: Levelling Tester 250-4,000 μm

Accessories



Sag and Levelling Test Charts Ref: T01-700147
Sag and Levelling Test Charts.



Test Standards:

- ASTM D2801
- NYPC

Sag Tester



Ref: T01-700135-9 [Click to view online](#)

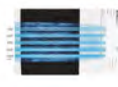
The Sag Tester also known as Anti-Sag Tester, is a simple product used to establish a coatings resistance to sag due to gravity. The Sag Tester is manufactured from corrosion resistant stainless steel, with a total film width application of 75mm equally divided into 10 gaps, incremented in depths of 25 μm with distinctive identification for each.

- Range from 50 -1075m dependant on model
- Resolution: 25m
- Overall dimension: 120x20x20mm (L x W x H)
- Weight: 0.5Kg

Options

Model	Range
T01-700135	50-275 μm
T01-700136	250-475 μm
T01-700137	450-675 μm
T01-700138	650-875 μm
T01-700139	850-1075 μm

Accessories



Sag and Levelling Test Charts Ref: T01-700147
Sag and Levelling Test Charts.



Test Standards:

- ASTM D4400
- ASTM D370

DEWPOINT & TEMPERATURE

Before any coating is applied to a surface, it is important to accurately measure the temperature and moisture levels of the surface as these can have a significant impact on the behaviour of a coating.

We offer a variety of instruments for the measurement of temperature, humidity, pH, and conductivity for both laboratory and field applications. As surfaces dry from the top down, it is important to be able to assess the moisture levels below the surface, this is especially true of concrete, and we supply several models of moisture meter for this test.

Dewpoint Meter



Ref: T01-20310 [Click to view online](#)

The Dewpoint Meter enables testing for the estimation of the probability of condensation on a surface to be painted and establishing whether conditions are suitable for painting or not.

- Relevant Standard: ISO 8502-4
- Measurements of relative humidity, dew point, air temperature, surface temperature and surface temperature proximity to dew point (delta T) are shown
- Built in infrared thermometer for surface temperature measurements
- Interchangeable Humidity Sensor allows the user to replace damaged or out-of-calibration-date Sensor
- Accuracy Humidity Sensor: 10-90% ±2%rh. 0-10/90-100% ±3%rh
- Resolution Humidity Sensor: 0.1%rh
- Resolution Temp: 0.1°C (0.2°F)
- Accuracy infrared Thermometer: ±2%
- Range infrared Thermometer: -20°C to 80°C. (-4°F to 176°F)
- Supplied in an industrial foam-filled Carrying Case with a Humidity Sensor and Surface Temperature Probe

Accessories



Humidity Sensor for Dewpoint Meter Ref: T01-20311
A spare humidity sensor for the Dewpoint Meter.



Test Standards: • ISO 8502-4

PosiTector® DPM Dewpoint Meter



Test Standards:

- ISO 8502-4
- BS 7079-B4
- ASTM D3276
- IMO PSPC
- SSPC-PA7
- US Navy NSI 009-32
- Navy NAVSEA 009-32

Ref: T01-20300-5; T01-20320-8 [Click to view online](#)

Dew Point Meters for Environmental Monitoring. Measures and records climatic conditions including: relative humidity, air temperature, surface temperature, dew point temperature, wind speed, and difference between surface and dew point temperatures.

- Large 2.8" impact resistant colour touchscreen with keypad for quick menu navigation
- Weatherproof dustproof and water-resistant—IP65-rated enclosure
- Fast response precision sensors provide accurate repeatable readings
- Auto Log mode records environmental parameters at user selected time intervals
- PosiTector interchangeable platform—attach any PosiTector probe to a single Gauge body
- USB Wi-Fi and Bluetooth connectivity to PosiSoft PC Mac and Smartphone software
- Certificate of Calibration showing traceability to NIST included

Options

Model	Description	Measures
T01-20300	DPM with Integral Probe (Direct Contact Surface Temperature Sensor) Standard	• Surface Temperature • Air Temperature • Relative Humidity • Dew Point Temperature • Surface Temperature minus Dew Point Temperature
T01-20301	DPM with Integral Probe (Direct Contact Surface Temperature Sensor) Advanced	
T01-20302	DPM (Direct Contact Surface Temperature Sensor) Probe Only	
T01-20320	DPM with Integral Probe (Infrared Surface Temperature Sensor) Standard	
T01-20321	DPM with Integral Probe (Infrared Surface Temperature Sensor) Advanced	
T01-20322	DPM Probe (Infrared Surface Temperature Sensor) Probe Only	• Surface Temperature • Air Temperature • Relative Humidity • Dew Point Temperature • Surface Temperature minus Dew Point Temperature
T01-20303	DPM with Integral Probe (Cabled Surface Temperature Sensor) Standard	
T01-20304	DPM with Integral Probe (Cabled Surface Temperature Sensor) Advanced	
T01-20305	DPM Probe (Cabled Surface Temperature Sensor) Probe Only	• Surface Temperature • Air Temperature • Relative Humidity • Dew Point Temperature • Surface Temperature minus Dew Point Temperature
T01-20323	DPM with Integral Probe (with Wind Speed) Standard	
T01-20324	DPM with Integral Probe (with Wind Speed) Advanced	
T01-20325	DPM with Integral Probe (with Wind Speed) Probe Only	• Air Temperature • Relative Humidity • Dew Point Temperature
T01-20326	DPM with Cabled Probe: 12" NPT Threads Standard	
T01-20327	DPM with Cabled Probe: 12" NPT Threads Advanced	
T01-20328	DPM with Cabled Probe: 12" NPT Threads Probe Only	

Accessories

Hand Held Sensor for DPM with Surface temperature Sensor



Ref: T01-20306
An additional sensor for use with the DPM with surface temperature tester (T01-20303 and T01-20304) - for spot checking hard-to-reach surfaces.

Liquid Temperature Sensor for DPM with Surface Temperature Sensor



Ref: T01-20308
Liquid Temperature Sensor for DPM with Surface Temperature Sensor.

PosiTector® DPM L Dewpoint Meter Logger



Ref: T01-20329 [Click to view online](#)

- Dew Point Meter Logger. Magnetic probe attaches to steel structures for monitoring climatic conditions.
- Measures and records climatic conditions including relative humidity, air temperature, surface temperature, dew point temperature, difference between surface and dew point temperatures and wet bulb temperature
 - Fast response; precision sensors provide accurate, repeatable readings
 - Environmentally sealed enclosure - weatherproof, dustproof and shockproof—meets or exceeds IP65
 - Internal memory storage of 10000 datasets (60000 readings)
 - Kensington Security Slot for anti-theft protection. Kensington Lock sold separately.
 - Uses common lithium coin cell batteries (CR2032)
 - Every stored dataset is date and time stamped
 - Certificate of Calibration showing traceability to NIST included
 - Conforms to national and international standards including ISO and ASTM
 - Two year warranty

Test Standards:	• ISO 8502-4	• ASTM D3276	• SSPC-PA7
	• BS 7079-B4	• IMO PSPC	• US Navy NSI 009-32

Accessories

Kensington Lock



Ref: T01-20330
Optional Kensington Lock keeps the PosiTector DPM L safe and secure.

CR2032 batteries(pack 5)



Ref: T01-20331
CR2032 batteries(pack 5), suitable for use with the PosiTector DPM L

PosiTest® CMM Concrete Moisture Meter



Ref: T01-20360 [Click to view online](#)

- Concrete Moisture Meter non-destructively measures the moisture content of concrete.
- Measurement Scales: 0 to 6% Moisture Content of Concrete, 0 to 4% Carbide Method Equivalent, 0 to 100 Relative
 - Accuracy: ± 0.5% Moisture Content of Concrete
 - Depth of Penetration: ~20 mm ~0.75"
 - Temperature Range: 5° to 40°C 40° to 105°F
 - IP Rating: 65 (dust and water jet resistance)
 - Memory: 200 readings
 - Power: 2 AAA Alkaline Batteries

Accessories



Telescopic Extender for PosiTest CMM Ref: T01-20361
Telescopic Extender for use with the PosiTest CMM Concrete Moisture Meter.

Test Standards:	• ASTM F2659
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Multifunctional Digital Moisture Meter



Ref: T01-20637/T01-20638/T01-20639 [Click to view online](#)

- Multifunctional digital moisture meter, available in three models (Pin, Probe and combination Pin/Probe). Suitable for use on wood, soil and many other materials.
- Concrete moisture range:0-50%
 - Automatic Calibration
 - Dimensions:165 x 62 x 26mm
 - Requires 4x AAA Batteries (not included)
 - Moisture range:0-80%
 - Moisture Range Accuracy:±(0.5n +1)
 - Weight:175g

Options

- T01-20637: Multifunctional Digital Moisture Meter - Pin
- T01-20638: Multifunctional Digital Moisture Meter - Probe
- T01-20639: Multifunctional Digital Moisture Meter - Pin/Probe

Portable Conductivity Meter



Ref: T01-60853 [Click to view online](#)

- Portable Conductivity Meter with microprocessor, and advanced user functions such as automatic calibration, automatic temperature compensation, data storage, function set-up, automatic power-off and low voltage display.
- Automatic identification of 8 conductivity standard calibration solutions
 - Adopts advanced conductivity measurement technology
 - Plastic conductivity electrode with automatic temperature compensation
 - Meets IP57 rating waterproof standard
 - Comes with calibration solution and portable case
 - Power: 2 x AA Batteries

Accessories

Plastic Conductivity Electrode



Ref: T01-60854
Plastic Conductivity Electrode for Portable Conductivity Meter.

Glass Conductivity Electrode



Ref: T01-60856
Glass Conductivity Electrode for Portable Conductivity Meter.

Portable Pen pH Meter



Ref: T01-700810/T01-700811 [Click to view online](#)

- Simple, pen style pH meter, easy to use and portable. Complete kit with Calibration and Electrode solutions in a sturdy carrying case.
- Automatic calibration
 - Automatic power off
 - pH electrode invalidation display
 - Meets IP57 rating
 - Automatic temperature compensation
 - Low voltage alarm
 - Easy to use - single button operation
 - Waterproof
 - Supplied in a sturdy carry case complete with calibration solution; electrode soaking solution and batteries

Options

- T01-700810: Portable Pen pH Meter - 0-14 pH Range
- T01-700811: Portable Pen pH Meter - 1-15 pH Range

Portable pH & Conductivity Meter



Ref: T01-60857

[Click to view online](#)

This portable meter is supplied with two interchangeable probes, one pH electrode and one conductivity electrode, which are automatically identified once attached to the meter. This dual operation makes it the most cost-effective solution for pH & Conductivity dual requirements.

- ABuilt in microprocessor with advanced functions such as automatic calibration, automatic temperature compensation, data storage, function set and self-diagnosis, automatic power off and low voltage display
- Automatic identification of 13 pH standard calibration solutions
- Automatic identification of 8 conductivity standard calibration solutions
- Conductivity electrodes of constant K=1
- Able to switch between conductivity; Total Dissolved Solids (TDS); salinity and resistivity
- Multinomial calculation for TDS and salinity to ensure the conversion precision of the full scale
- Conductivity measurement mode has the function of non-linear temperature compensation for high purity water
- Plastic conductivity electrode with automatic temperature compensation
- Able to set pH measurement modes of pure water with ammonia
- Can store up to 200 sets of data including series number; measured value; measured unit and temperature
- Meets IP57 rating
- Comes with calibration solution and carry case

Table Conductivity Meter



Ref: T01-60851

[Click to view online](#)

Table mounted conductivity meter with large back lit LCD screen which displays conductivity temperature values,with manual or automatic temperature compensation.

- Conductivity Range: 0.001-2×105µS/cm (1000MΩ-5Ω)
- Display: 3 +1/2 LCD
- Resolution: 0.05% of Full Scale
- Accuracy: ± 1% Full Scale + 1 bit
- Stability: ±0.67% Full Scale + 1 bit/24h
- Temperature Compensation Range: 10-40°C (standard temperature: 25°C)
- Tested sample Temperature Range: 50-60°C

Digital Thermometer and Hygrometer



Ref: T01-20635

[Click to view online](#)

Large, clear, easy to read Digital Thermometer and Hygrometer, for indoor or outdoor use. 3m Cabled probe for outdoor/second measurement.

- Simultaneously displays temperature time and humidity
- Indoor Temperature Range: -30°C - 50°C (-22°F - 122°F)
- Outdoor Temperature Range: -50°C - 70°C (-58°F - 158°F)
- Humidity Range: 20% - 99%
- Accuracy: 0.1 °C 1% RH
- Screen Size: 81.5 x 64.5mm
- Overall Size: 11 x 101 x 21.5mm
- Requires 1 x AA Battery (Not Included)

PosiTector® IRT Infrared Thermometer



Ref: T01-20574/T01-20575/T01-20576

[Click to view online](#)

Infrared Thermometer for non-contact surface temperature measurement, Surface temperature is constantly updated and displayed simultaneously.

- Button-activated laser pointer for accurate targeting
- Selectable emissivity values—choose from 7 pre-set material options, set a custom emissivity value, or adjust to a known temperature
- Statistics Scan mode—continually displays/updates average,standard deviation, min/max surface temperature and number of readings while measuring one reading per second
- Certificate of Calibration showing traceability to NIST included
- 5.7:1 distance to spot ratio—ideal for measuring large areas
- Smart Trend indicators identify rising falling or stable readings
- Temperature Range -70° to 380°C (-94° to 716°F)

Options

- T01-20574 :PosiTector® IRT Infrared Thermometer – Standard
- T01-20575: PosiTector® IRT Infrared Thermometer – Advanced
- T01-20576: PosiTector® IRT Infrared Thermometer – Probe only



PosiTest OTL Temperature Probes



Ref: T01-20559-73

[Click to view online](#)

A wide variety of temperature probes are available for the PosiTest OTL with 1.8, 3.6, or 6m (6', 12', or 20') stainless steel braided cables (sold separately). Certificate of Calibration showing traceability to NIST included

Options

Model	Description	Length	Temperature Range
T01-20559	Spring Clamp – Surface Probe	1800mm	-100 to 500°C
T01-20560	Spring Clamp – Surface Probe	3600mm	-100 to 500°C
T01-20561	Spring Clamp – Surface Probe	6000mm	-100 to 500°C
T01-20562	Spring Clamp – Air Probe	1800mm	-100 to 500°C
T01-20563	Spring Clamp – Air Probe	3600mm	-100 to 500°C
T01-20564	Spring Clamp – Air Probe	6000mm	-100 to 500°C
T01-20565	Magnetic – Surface Probe	1800mm	-100 to 300°C
T01-20566	Magnetic – Surface Probe	3600mm	-100 to 300°C
T01-20567	Magnetic – Surface Probe	6000mm	-100 to 300°C
T01-20568	Magnetic – Air Probe	1800mm	-100 to 300°C
T01-20569	Magnetic – Air Probe	3600mm	-100 to 300°C
T01-20570	Magnetic – Air Probe	6000mm	-100 to 300°C
T01-20571	Washer – Surface Probe	1800mm	-100 to 500°C
T01-20572	Washer – Surface Probe	3600mm	-100 to 500°C
T01-20573	Washer – Surface Probe	6000mm	-100 to 500°C

PosiTest® OTL Oven Temperature Logger



Ref: T01-20556/T01-20557 [Click to view online](#)

- The PosiTest OTL Oven Temperature Logger with included barrier box and holder is ideal for measuring oven temperature profiles.
- Simple, easy-to-use interface
 - 6 K-type thermocouple ports (channels)
 - Measures and records up to 40,000 datasets (240,000 readings) in up to 6 batches
 - Records measurements every 2 seconds for up to 22 hours of recording time
 - Download, view, and analyze batch data using PosiSoft Desktop software. Export .CSV files for easy import into spreadsheets
 - Bright LEDs indicate logger status at a glance
 - High temperature stainless steel barrier box with fibreglass insulation for long run times at high temperatures. Contains no silicone
 - Certificate of Calibration showing traceability to NIST included

Options

- **T01-20556: PosiTest® OTL Kit** - Up to 50 minutes at 250°C
- **T01-20557: PosiTest® OTL XT Kit** - Up to 100 minutes at 300°C

Accessories

PosiTest OTL Temperature Probes



Ref: T01-20559-73

A wide variety of temperature probes are available for the PosiTest OTL with 1.8, 3.6, or 6 m (6', 12', or 20') stainless steel braided cables (sold separately). Certificate of Calibration showing traceability to NIST included.

Model	Description	Length	Temperature Range
T01-20559	Spring Clamp – Surface Probe	1800mm	-100 to 500°C
T01-20560	Spring Clamp – Surface Probe	3600mm	-100 to 500°C
T01-20561	Spring Clamp – Surface Probe	6000mm	-100 to 500°C
T01-20562	Spring Clamp – Air Probe	1800mm	-100 to 500°C
T01-20563	Spring Clamp – Air Probe	3600mm	-100 to 500°C
T01-20564	Spring Clamp – Air Probe	6000mm	-100 to 500°C
T01-20565	Magnetic – Surface Probe	1800mm	-100 to 300°C
T01-20566	Magnetic – Surface Probe	3600mm	-100 to 300°C
T01-20567	Magnetic – Surface Probe	6000mm	-100 to 300°C
T01-20568	Magnetic – Air Probe	1800mm	-100 to 300°C
T01-20569	Magnetic – Air Probe	3600mm	-100 to 300°C
T01-20570	Magnetic – Air Probe	6000mm	-100 to 300°C
T01-20571	Washer – Surface Probe	1800mm	-100 to 500°C
T01-20572	Washer – Surface Probe	3600mm	-100 to 500°C
T01-20573	Washer – Surface Probe	6000mm	-100 to 500°C

Engraved ID Tags for OTL Temperature Probes



Ref: T01-20558

Replacement ID Tags for PosiTest Oven Temperature Logger probes.

Temperature and Humidity Meter



Ref: T01-20636 [Click to view online](#)

- Professional temperature and humidity meter. Measures air relative temperature, air humidity, wet bulb temperature and absolute humidity.
- Accurate and easy to use
 - Dual display & backlight
 - Air Temperature Range: (°C)-30-100 Accuracy: (°C): ±1.5
 - Relative Humidity Range: 0-100% RH Accuracy: ±2%RH - ±4%RH
 - Dew Point Temperature Range: (°C)-30-100
 - Wet Bulb Temperature Range(°C): 0-80°
 - Absolute Humidity Range(°C): 0-500g/mm3, 0-218.5gr/ft³
 - Size: 300 x 75 x 50mm
 - Weight: 400g
 - Requires 9V Battery (not included)

Oven Datalogger



Ref: T01-701017-21 [Click to view online](#)

- The Temperature Tracker is a user-friendly device, suited for industrial oven and laboratory oven temperature profiling.
- The equipment comprises Oven Datalogger, analysis software and insulated case.
 - The oven datalogger is designed to measure continuously but store readings at pre-determined times.
 - The maximum recording period depends on the number of sensors being used and the specified recording interval. Analysis software allows detailed reports to be produced from the logged data and the insulated case is resistant to prolonged high temperatures and is also suitable for wet paint coating and automotive applications.

Options

Model	Number of Channels	Temperature Range	Duration
T01-701018	4	-100 to 300°C	60 min@ 300°C, 120 min @150°C
T01-701019	4	-100 to 500°C	60 min@ 500°C, 120 min @300°C
T01-701020	7	-100 to 300°C	60 min@ 300°C, 120 min @200°C
T01-701021	7	-100 to 500°C	60 min@ 500°C, 120 min @300°C

DRYING TIME

There are several stages of drying or curing when a coating is applied. A line drying time recorder allows you to accurately quantify these stages in accordance with recognised International Standards. We also supply a Minimum Film Forming Temperature Tester (MFFT) which allows for accurate measurement of MFFT and White Point Temperature (Respectively the temperatures at which a uniform coating is achieved and when a film reaches transparency).

Advanced Line Drying Time Recorder



Ref: T01-700600

[Click to view online](#)

This advanced and powerful line drying time recorder can meet various requirements for analyzing different samples' drying performance.

- Large 5-inch touch screen controller which shows three channels working parameters simultaneously
- Easy to use and set up
- Broad time range: can be set from 1 minute up to 48 hours
- Uses photoelectric sensor to gather data and show real-time position
- Each channel has LED indicator when in use
- Supplied with 6pcs stainless steel weights for recording through drying

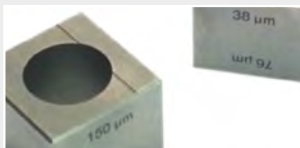
Test Standards:

• ASTM D 5895-03

• ISO 9117-4

Accessories

Cube Applicator



Ref: T01-700036

38µm / 76µm depths.

Ref: T01-700037

75µm & 150µm depths.

Glass Strips for Line Drying Time Recorders



Ref: T01-700602

Glass Strips for Line Drying Time Recorders.

Minimum Film-Forming Temperature (MFFT) Tester



Ref: T01-700604

[Click to view online](#)

Minimum Film-Forming Temperature (MFFT) Tester allows for accurate measurement of: White Point Temperature: The dividing temperature when non-transparent film changes to transparent film.

- Working temperature range of gradient platen: -10°C~+60°C (When cooled by tap water)
- Number of inspection points of gradient platen: 16 points
- Interval distance of gradient: 20mm
- Test channels: 6 pcs (width is 22mm)
- Gradient platen size: 447mm x 210 mm
- Power Supply: 220V/50Hz AC wide voltage (three-phase supply with good earth)
- Tester Size: 528mm x 430mm x 194mm
- Chiller Size: 560mm x 240mm x 200mm
- Dry Air Generator: 555mm x 255mm x 525mm
- Net Weight: 25 KG (Excludes Chiller and Dry Air Generator)
- Power: 750W

Accessories



Dry Air Generator Ref: T01-700605

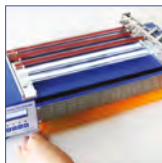
Dry Air Generator.

Test Standards:

• ISO 2115

• ASTM 2354

Standard Line Drying Time Recorder



Ref: T01-700601

[Click to view online](#)

Versatile drying time recorder to help quantify the various stages of film curing and drying, and deliver reproducible results.

This apparatus is designed to test the drying time or gelation behaviour of many paints and coatings, applied onto a glass strip of 330mm×24mm by means of our cube applicator (T01-700036/37). Hemispherical needles travel on these test tracks, over a selected time: 6h,12h ,24h and 48h.

- Simultaneous testing of 6 samples which saves time
- Four different speeds: 6-12-24-48 hrs - for any application
- Styli Diameter (with rounded tip) :2mm ±0.05mm (6 pcs)
- Supplied with 6 pcs stainless steel weights

Test Standards:

• ASTM D 5895-03

• ISO 9117-4

Accessories

Cube Applicator



Ref: T01-700036

38µm / 76µm depths.

Ref: T01-700037

75µm & 150µm depths.

Glass Panel Holder for Line Drying Time Recorder



Ref: T01-700603

Glass Panel Holder for Line Drying Time Recorder.

Glass Strips for Line Drying Time Recorders



Ref: T01-700602

Glass Strips for Line Drying Time Recorders.

ELASTICITY & DEFORMATION

Coatings can be affected by physical as well as environmental factors. Bending, indentation and impact can all cause coatings to be damaged, or to detach from a substrate. We can predict the effect on a coating of these types of forces by testing samples in the laboratory using instruments that produce these effects in a controlled and reproducible way. The results of these tests show the resistance of a coating and give an accurate prediction of their behaviour in real world use.

Automatic Cupping Tester



Ref: T01-700166

[Click to view online](#)

Automatic Cupping Tester for accurate and reliable punch speed.

- Automatic punch lift(Constant speed: 0.2mm/s)
- Automatic coordinate positioning system: memorises home position after being zeroed and locates the punch position automatically
- High-power magnifier and high definition screen
- Lifting distance of punch can be set from 0-18mm
- High precision raster displacement sensor - accurate and precise ±0.01mm
- Max. width of test panel = 90mm
- Diameter of punch: 20mm (0.8 inch)
- Maximum dent depth: 18mm
- Maximum depress power: 2500N
- Precision of dent: 0.01mm
- Suitable thickness of test panel: 0.03mm-125mm
- Weight: 20Kg
- Dimensions: 230 x 300 x 280mm (L x W x H)

Test Standards:

• ISO 1520

• BS 3900 Part 4

• DIN 53166

• DIN 53233

Digital Cupping Tester



Test Standards:

- ISO 1520
- BS 3900 Part 4
- DIN 53166
- DIN 53233

Ref: T01-700165

[Click to view online](#)

Ascotts Digital Cupping Tester is used to evaluate the crack resistance and detachment of a coating varnish or paint from the metal substrate, whilst the substrate is gradually deformed by indentation.

- Automatic coordinate positioning system: memorises home position after being zeroed and track the punch's position automatically making it more stable
- Precise position sensor: the minimum division value of the depression depth can reach 0.01mm
- Suitable for every kind of substrate
- Maximum pressure can reach 2500N
- Includes 10X illuminated magnifier
- Diameter of punch: 20mm
- Maximum dent thickness: 12mm
- Counter: digital display in 0.01mm increments
- Dimension of test panel: 150mm x 70mm x 0.03-1.25mm
- Weight: 28Kg
- Dimensions: 290 x 240 x 370mm (L x W x H)

DuPont Impact Tester



Test Standards:

- ASTM D 2794
- JISK 5400
- CNS 10756

Ref: T01-700160

[Click to view online](#)

DuPont Impact Tester for testing the endurance of coated material.

The DuPont Impact Tester has been designed to test the endurance of coated material, when impacted by a falling weight at specified points. The purpose of the test is to see if test specimens can resist the effect of rapid impact testing. The principle of the test is that a coated test specimen is impacted by a falling weight, at a fixed height; thus checking the damage or deformation of the test specimen.

The DuPont Impact Tester can also be used on paintings with coated materials. The same procedure is followed, using various impact heads or needles to drop freely onto the test specimen from a certain height. This is performed three times on the same test specimen, which is then left to stand for one hour. The test specimen is then checked for any cracking on the painting.

- Instrument scale Length: 50-500mm (grade : 50mm)
- Mass of hammer: 300g, 500g, 1000g
- Piercer specification: 1/2 1/4 1/8 1/16 3/16in
- Notch diameter on the bolster block: 1/2 1/4 1/8 1/16 3/16in

Impact Tester



Ref: T01-710163/T01-710164

[Click to view online](#)

We offer different types of impact testers according to different standards. These impact testers consist of a solid base with a guide tube support, some with different weight hammers (falling weights) and some with different diameter punches, allowing you to choose different size and weight hammers to simulate paint usage in different environments.

- Aluminium oxide guide tube
- Instrument Scale Length: 0-100cm (40 inch)
- Graduation: 1cm

Options

Model	Description	Indenter Diameter (mm)	Die Inside Diameter (mm)	Relevant Standards
T01-710163	Heavy Duty Impact Tester	12.7 15.9	16.3	ISO 6272.2 ASTM D 2794
T01-710164	ISO Impact Tester	20	27	ISO 6272.1

Conical Mandrel Tester



Ref: T01-710100

[Click to view online](#)

The Conical Mandrel Tester is used to determine the extensibility of paint coatings on metal panels clamped in position and formed round the conical mandrel by rotation of the roller frame. The panels are then examined to evaluate crack resistance and detachment from the metal substrate.

- Dimensions of conical mandrel: Large end: 38±0.1mm Small end: 3.1±0.1mm Length: 203±0.3 mm
- Clamping device makes fixing sample simple and easy
- Suitable test panel size parameters: Length ≤ 150mm Width ≤ 100mm Thickness ≤ 0.8mm
- Overall dimensions: 300x120x83 mm (LxWxH)
- Weight: 7kg



Test Standards:

- ASTM D 522
- ASTM D1737
- BS 3900 E11
- ISO 6860

Cylindrical Mandrel Tester



Ref: T01-710102

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The Ascott Cylindrical Mandrel Tester is used to determine the elasticity adhesion and elongation of paint on sheet metal in accordance with ISO 1519. A test panel (max size 150 x 100 mm) is bent over a cylindrical mandrel. The smaller the diameter of the mandrel, the larger the tension on the coating. The test panel is then checked for cracks or damage in the coating.

- Supplied with 12 pcs stainless steel mandrels with different diameters: Ø2, Ø3, Ø4, Ø5, Ø6, Ø8, Ø10, Ø12, Ø16, Ø20, Ø25, Ø32mm
- All mandrels are manufactured from high hardness stainless steel, 2mm and 3mm mandrels are annealed by hardening treatment, and will not deform even when bending thick test panels
- Suitable test panel size parameters: Length 120mm~150mm width ≤ 80mm thickness ≤ 1.0mm
- Supplied as standard in carry case



Test Standards:

- ISO 1519: 2011
- ASTM D522
- DIN 53152

Hinge-type Cylindrical Mandrel Tester



Ref: T01-710101

[Click to view online](#)

This Hinge-type Cylindrical Mandrel tester consists of eight hinges each with a different diameter axis. Place the test panels into hinge then fold to complete a 180° bend.

- Shaft stick diameter: 2mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm
- Thickness of bottom material for the test plate: less than 0.3mm



Test Standards:

- ISO 1519
- ASTM D522
- DIN 53152,

T-Bend Tester



Ref: T01-710103

[Click to view online](#)

T-Bend Tester to evaluate the flexibility and adhesion of organic coatings on metallic substrates.

- Max. thickness for sample: 1.0mm (steel panel) 2.0 mm (aluminium panel)
- Width of panel: <100mm,
- Weight: 50kg
- Size: 300x300x190mm (LxWxH)



• DIN EN ISO 17132 • ASTM D 4145 • EN 13523-7

FILM APPLICATION

In all testing where a coating is being assessed, it is vital that the method is controlled and reproducible. Film applicators ensure that the specified thickness is used every time.

In addition to our wide range of handheld testers that comply with multiple International Standards we also supply automatic film applicators and vacuum drawdown beds to ensure that surfaces being tested remain stable and secure throughout.

Adjustable Film Applicator



Ref: T01-700076-7; T01-700748-9

[Click to view online](#)

The blade of this applicator can be accurately adjusted by mean of 2 micrometric screws, from 0 to 3.5mm in 10µm increments.

- Stainless steel blades
- Easily and quickly adjusted to the required setting
- Available in 4 blade widths

Options

- T01-700076: Blade Width 50mm
- T01-700077: Blade Width 100mm
- T01-700748: Blade Width 150mm
- T01-700749: Blade Width 200mm

Adjustable Film Applicator (Digital)



Ref: T01-700050-53

[Click to view online](#)

The blade of this applicator can be accurately adjusted by means of 2 micrometric screws, from 0 to 3.5mm in 10µm increments.

- Stainless steel blades
- Easily and quickly adjusted to the required setting
- Available in 4 blade widths

Options

- T01-700050: Blade Width 50mm
- T01-700051: Blade Width 100mm
- T01-700052: Blade Width 150mm
- T01-700053: Blade Width 200mm

One-sided Applicator



Ref: T01-700043-57

[Click to view online](#)

This bar-type one-sided applicator is manufactured from a high-grade corrosion-resistant stainless steel. One application side for applying a predefined thickness (dependant on model ordered), the accuracy of the Gap Depth is ±1.0µm (50µm and below).

- Effective Wet Film Width: 100mm
- Total Length: 128mm

Options

Model	Description	Model	Description
T01- 700043	25µm	T01- 700051	250µm
T01- 700044	37.5µm	T01- 700052	300µm
T01- 700045	50µm	T01- 700053	350µm
T01- 700046	75µm	T01- 700054	400µm
T01- 700047	100µm	T01- 700055	450µm
T01- 700048	125µm	T01- 700056	500µm
T01- 700049	150µm	T01- 700057	600µm
T01- 700050	200µm		



• ASTM D823 section 25
• ASTM D3022

Two-sided Applicator



Ref: T01-700058-61

[Click to view online](#)

U shaped type two-sided applicator made from high-grade stainless steel. Two sides of predefined thicknesses (dependant on model ordered) The accuracy of the Gap Depth is ±1.0µm (50µm and below).

- Wet Film Width: 80mm
- Total Length: 100mm
- Customised applicators also available -please contact us with your requirements

Options

Model	Description
T01- 700058	25µm/50µm
T01- 700059	75µm/100µm
T01- 700060	150µm/200µm
T01- 700061	300µm/400µm



• ASTM D823 section 25

Automatic Film Applicator



Ref: T01-700155-57

[Click to view online](#)

Automatic film applicators allow for precise coating and eliminate errors caused by inconsistencies in manual applications.

- Adjustable variable speed: 2~100mm/s
- Specifically designed bracket and flexible system for application on easily bent substrates
- Variable starting point for different size substrates
- Can be used with the range of applicators and wire bars supplied by Ascott
- External vacuum pump - avoiding the vibration disturbance of an internal pump
- Model T01-700157 has an additional heating function

Options

Model	Description	Vacuum Bed Size (mm)	Draw Down Speed (m/s)	Temperature Range	Temperature Uniformity
T01-700155	Automatic Film Applicator Small	360 x 250	2-1000	N/A	N/A
T01-700156	Automatic Film Applicator Large	490 x 250	2-1000	N/A	N/A
T01-700157	Automatic Film Applicator Small (with Heating)	360 x 250	2-1000	RT+5°C~100°C	±5°C

Cube Applicator



Ref: T01-700036/T01-700037

[Click to view online](#)

This small cube applicator is available with 12.7 film width, overall cube width is 25mm and has 2 gap sizes, machined into each application face (dependant on model ordered).

- Wet Film Width: 12.7mm
- Total Length: 25mm

Options

- **T01-700036:** Cube Applicator - 38µm/76µm Depth
- **T01-700037:** Cube Applicator - 75µm/150µm Depth

Formed Rods



Ref: See below

[Click to view online](#)

Formed Rods for ultra thin film application.

- CNC machined with precision moulding; the deviation of the groove depth and space is lower than 2µm, giving a uniform film application
- Long lasting due to strength of rod
- Smooth curved surface makes the rod easier to clean
- Ultra-thin coating capability

Options

Standard Length				Extended Length			
Model	Rod Length	Wet Film Thickness	Coating Width	Model	Rod Length	Wet Film Thickness	Coating Width
T01-700078	240mm	6µm	200mm	T01-700085	400mm	6µm	300mm
T01-700079	240mm	8µm	200mm	T01-700086	400mm	8µm	300mm
T01-700080	240mm	10µm	200mm	T01-700087	400mm	10µm	300mm
T01-700081	240mm	12µm	200mm	T01-700088	400mm	12µm	300mm
T01-700082	240mm	15µm	200mm	T01-700089	400mm	15µm	300mm
T01-700083	240mm	20µm	200mm	T01-700090	400mm	20µm	300mm
T01-700084	240mm	25µm	200mm	T01-700091	400mm	25µm	300mm
T01-700385	240mm	30µm	200mm	T01-700492	400mm	30µm	300mm
T01-700386	240mm	40µm	200mm	T01-700493	400mm	40µm	300mm
T01-700387	240mm	50µm	200mm	T01-700494	400mm	50µm	300mm
T01-700388	240mm	60µm	200mm	T01-700495	400mm	60µm	300mm
T01-700389	240mm	80µm	200mm	T01-700496	400mm	80µm	300mm
T01-700390	240mm	100µm	200mm	T01-700497	400mm	100µm	300mm
T01-700391	240mm	120µm	200mm	T01-700498	400mm	120µm	300mm
T01-700392	240mm	150µm	200mm	T01-700499	400mm	150µm	300mm
T01-700393	240mm	200µm	200mm	T01-700500	400mm	200µm	300mm

Accessories

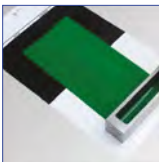
Holder for Wire Wound Rods



Ref: T01-700132

Wooden handle holder for all wire wound rods.

Four-sided Applicator (Frame-Type)



Ref: T01-700064-7

[Click to view online](#)

Frame-type four-sided applicators are designed to produce uniform films of paint, adhesives and similar products on substrates. They combine the accuracy of fixed applicators with the versatility of multiple gap choice in one unit.

- Wet Film Width: 80mm
- Total Length: 100mm
- For use with aqueous, acid, and alkaline products
- Made from high-grade stainless steel

Options

Model	Gap Sizes
T01-700064	25µm/50µm/75µm/100µm
T01-700065	50µm/100µm/150µm/200µm
T01-700066	30µm/60µm/90µm/120µm
T01-700067	5µm/10µm/15µm/20µm

Four-sided Universal Applicator



Ref: T01-700068-75

[Click to view online](#)

This four-sided applicator, also known as a baker-type applicator combines 4 gaps sizes in one unit. The cylindrical shape design provides excellent results particularly on firm substrates and smooth surfaces.

- Relevant Standard: ASTM D823 Section 25
- Total Length: 100mm
- Wet Film Width: 80mm
- Customised applicators also available

Options

Model	Gap Sizes
T01-700068	5µm / 10µm / 15µm / 20µm
T01-700069	25µm / 50µm / 75µm / 100µm
T01-700070	50µm / 100µm / 150µm / 200µm
T01-700071	30µm / 60µm / 90µm / 120µm
T01-700072	100µm / 200µm / 300µm / 400µm
T01-700073	50µm / 75µm / 100µm / 150µm
T01-700074	100µm / 150µm / 200µm / 250µm
T01-700075	250µm / 500µm / 750µm / 1000µm



Test Standards:

- ASTM D823 Section 25

Hiding Power Charts



Ref: T01-700291-6 ; T01-700744-45

[Click to view online](#)

A wide range of test charts (opacity charts and spreading rate charts) used to determine or compare hiding power & contrast ratios of pigmented coating materials such as paint, emulsions and ink. The charts are either UV cured or covered in plastic film & their lacquer is solvent resistant, they are suitable for use with most organic, water based or solvent based coatings.

Options

Model	Description	Size (mm)	Pack Quantity	Description
T01-700291	Opacity Display Charts - Film Laminated	250 x 140	500	Bold diagonally striped pattern & half black/half white/film covered
T01-700292	Display Spreading Charts - Film Laminated	289 x 194	500	Bold diagonally striped pattern & half black/half white/film covered
T01-700293	Opacity Display Charts 9A - Clear Coated	250 x 140	500	Bold diagonally striped pattern & half black/half white/UV Solidified
T01-700294	Display Spreading Rate 8B - Clear Coated	289 x 194	500	Bold diagonally striped pattern & half black/half white/UV Solidified
T01-700744	Opacity Display Spreading Rate 12H - Clear Coated	438 x 286	250	Bold diagonally striped pattern & half black/half white/UV Solidified
T01-700295	Checkerboard Spreading Rate Charts - Film Laminated	250 x 100	1000	Black & White squares / film covered
T01-700745	Checkerboard Spreading Rate Charts - Film Laminated	250 x 140	500	Black & White squares / film covered
T01-700296	Checkerboard Spreading Rate Charts - Clear Coated	250 x 140	500	Black & White squares / clear coated

Long Four-sided Applicator



Test Standards: • ASTM D823 Section 25

Ref: T01-700140-46 [Click to view online](#)

This four-sided applicator, also known as a baker-type applicator combines 4 gaps sizes in one unit. The cylindrical shape design provides excellent results particularly on firm substrates and smooth surfaces.

- Relevant Standard: ASTM D823 Section 25
- Wet Film Width: 160mm
- Total Length: 190mm
- Customised applicators also available

Options

Model	Gap Sizes
T01-700140	25µm/50µm/75µm/100µm
T01-700141	50µm/100µm/150µm/200µm
T01-700142	30µm/60µm/90µm/120µm
T01-700143	100µm/200µm/300µm/400µm
T01-700144	50µm/75µm/100µm/150µm
T01-700145	100µm/150µm/200µm/250µm
T01-700146	250µm/500µm/750µm/1000µm

Square Applicator



Ref: T01-700501/T01-700151/T01-700521 [Click to view online](#)

The square film or Octoplex applicator has eight predefined thickness sides for flexibility. It is manufactured from high-grade, corrosion-resistant stainless steel.

- Wet Film Width: 80mm

Options

Model	Thickness
T01-700501	0.5mils/1mils/1.5mils/2mils/3mils/4mils/5mils/6mils
T01-700151	1mils/2mils/3mils/4mils/5mils/6mils/7mils/8mils
T01-700521	5mils/10mils/15mils/20mils/25mils/30mils/40mils/50mils

Vacuum Film Applicator Bed



Ref: T01-700153-54 [Click to view online](#)

Vacuum plates are made of aluminium and finished with an anodized grey hard coat giving high corrosion resistance, improving the longevity of the vacuum plate. The top section of the plate has a series of holes. When connected to a vacuum pump or sink aspirator, the vacuum suction created keeps the paper charts in place.

- Each plate comes complete with a chrome plated brass ball valve with an easy on/off lever handle to enable or disable vacuum suction
- High-quality vacuum pump

Options

Model	Overall Dimensions (mm)	Perforated Area (mm)
T01-700153	360 x 250 x 32.5	290 x 190
T01-700154	533 x 340 x 32.5	460 x 270

Wire Wound Rods



Ref: T01-20643-5;T01-700105-117 [Click to view online](#)

The wire-wound rods are made from stainless steel and are corrosion-resistant.

- Perfect for very thin films e.g. foils and paper coating tests
- Bar and wire manufactured of stainless steel
- Maximum attainable wet film thickness engraved on bar end
- Simultaneous drawdown of several samples side by side is possible
- Ideal for flexible materials
- Bar Total Length: 240mm
- Length: 200mm
- Bar Diameter: 10mm

Options

Model	Wet Film Thickness
T01-20643	6 µm
T01-20644	8 µm
T01-20645	10 µm
T01-700105	12 µm
T01-700106	15 µm
T01-700107	20 µm
T01-700108	25 µm
T01-700109	30 µm
T01-700110	40 µm
T01-700111	50 µm
T01-700112	60 µm
T01-700113	80 µm
T01-700114	100 µm
T01-700115	120 µm
T01-700116	150 µm
T01-700117	200 µm

Accessories

Holder for Wire Wound Rods



Ref: T01-700132

Wooden handle holder for all wire wound rods.

HARDNESS & SCRATCH

Both Hardness and Scratch measurements are important to determine the resistance of a material to permanent indentation damage. There are a variety of instruments that can be used to perform these tests and measure the results. From simple scratch tools to pendulum hardness testers, we have a comprehensive selection of test equipment and hardness meters that are suitable for many different applications.

Buchholz Indentation Tester



Ref: T01-20642 [Click to view online](#)

The Buchholz Indentation tester measures coating hardness by microscopic observation of the indentation left after a period of 30s.

- Relevant Standards: ISO 2815
- Indentation Load: 500 ± 5g
- Magnification: 20x
- Accuracy of indentation reading: 0.1mm
- Block Material: Stainless Steel



Test Standards: • ISO 2815

Digital Shore Hardness Meter



Ref: T01-700038/T01-700039/T01-700040

[Click to view online](#)

Digital Shore Hardness Meters - Compact and reliable. Designed to measure the penetration hardness of materials.

- Measurement range: 0-100HA(HC/HD)
- Measurement deviation: <1%H
- Resolution: 0.1
- Power supply: 4 x 1.5V AAA (UM-4) battery
- Battery indicator: low battery indicator
- Dimensions: 162 x 65 x 38mm
- Weight (not including probe): 173g

Options

- **T01-700038: Digital Shore A Hardness Meter** - Rubber, elastomers and other rubber like substances
- **T01-700039: Digital Shore C Hardness Meter** - Foam and sponge
- **T01-700040: Digital Shore D Hardness Meter** - Plastics, Formica, Epoxies and Plexiglas

Test Standards:	• DIN53505	• ASTM D2240	• ISO7619	• JISK7215
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PosiTector® BHI Barcol Hardness Impressor



Ref: T01-20509/T01-20510/T01-20511

[Click to view online](#)

Measures the hardness of soft metals such as aluminum, aluminum alloys, copper, brass, and other materials such as harder plastics, and fibre-reinforced plastic.

- Relevant Standards:
- Easy-to-read digital display
- Large 2.8" impact resistant colour touchscreen with redesigned keypad for quick menu navigation
- Weatherproof, dustproof and water-resistant—IP65-rated enclosure
- PosiTector interchangeable platform—attach any PosiTector probe to a single Gauge body
- USB, Wi-Fi, and Bluetooth connectivity to PosiSoft PC, Mac and Smartphone software
- Certificate of Calibration included

Options

- **T01-20509: PosiTector® BHI Barcol Hardness Impressor: Standard** - Storage of 1,000 readings per probe, stored readings can be viewed or downloaded
- **T01-20510: PosiTector® BHI Barcol Hardness Impressor: Advanced** - With storage of 250,000 readings, in up to 1000 batches. Includes Wi-Fi and Bluetooth
- **T01-20511: PosiTector® BHI Barcol Hardness Impressor: Probe only**

Test Standards:	• ASTM B648
	• D2583
	• DIN EN 59
	• AS/NZS 3572.22

Accessories

Hard Test Disks



Ref: T01-20512
Hard Test Disk (5 pack) with plate.

Soft Test Disk



Ref: T01-20513
Soft Test Disk (5 pack) with plate.

Replacement Indentors



Ref: T01-20514
2 x replacement Indentors.

Glass Zero Plate



Ref: T01-20515
Glass Zero Plate.

PosiTector® SHD Shore Hardness Durometers



Ref: T01-20546-7;T01-53082-85

[Click to view online](#)

Shore Hardness Durometers for the indentation hardness of non-metallic materials. Handheld electronic instrument measures the indentation hardness of non-metallic materials.

- User-adjustable measurement time with on-screen countdown to conform to national and international standards
- Auto Ignore mode disregards hardness readings below 20 and above 90 per international standards
- Large 2.8" impact resistant colour touchscreen with redesigned keypad for quick menu navigation
- Weatherproof, dustproof and water-resistant—IP65-rated enclosure
- PosiTector interchangeable platform—attach any PosiTector probe to a single Gauge body
- USB, WiFi and Bluetooth connectivity to PosiSoft PC, Mac and Smartphone software
- Certificate of Calibration showing traceability to NIST included

Options

Model	Description	Measuring Range	Accuracy	Resolution	Application
T01-20546	Shore A - Standard	0 - 100	± 1	0.1	Soft to hard materials such as soft rubber, elastomers, neoprene, silicone, etc.
T01-20547	Shore A - Advanced	0 - 100	± 1	0.1	
T01-53082	Shore A - Probe Only	0 - 100	± 1	0.1	
T01-53083	Shore D - Standard	0 - 100	± 1	0.1	Medium to extra hard materials such as hard rubber, epoxies, hard plastics, PVC, acrylic, etc.
T01-53084	Shore D - Advanced	0 - 100	± 1	0.1	
T01-53085	Shore D - Probe Only	0 - 100	± 1	0.1	

Test Standards:	• ASTM D2240
	• ISO 868/7267/7619
	• DIN 53505

Accessories

PosiTector® SHD Test Blocks



- Test Blocks - Shore A 30 - Ref: T01-53086
- Test Blocks - Shore A 75 - Ref: T01-53088
- Test Blocks - Shore D 46 - Ref: T01-53090

- Test Blocks - Shore A 50 - Ref: T01-53087
- Test Blocks - Shore D 25 - Ref: T01-53089
- Test Blocks - Shore D 75 - Ref: T01-53091

Durometer Test Stand for Shore A



Ref: T01-20550
Durometer Test Stand for Shore A.

Durometer Test Stand for Shore D



Ref: T01-20551
Durometer Test Stand for Shore D.

Universal Test Stand Adaptor



Ref: T01-20552
Universal Test Stand Adaptor.

Adjustable Pencil Hardness Tester



Ref: T01-700035

[Click to view online](#)

Our Adjustable Pencil Hardness Tester enables the user to obtain three different weights (500g, 750g and 1000g) by selecting a different loading weight.

- Three points are touched on the tested surface (roller, pencil & lead)
- Angle between pencil and the tested surface= 45°
- Built in spirit bubble to check level
- Pressure of pencil lead: 500g, 750g, 1000g

Test Standards:	• ASTM D 336 • ISO 15184
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Automatic Pencil Hardness Tester



Ref: T01-20640

[Click to view online](#)

The Automatic Pencil Hardness Tester eliminates the possibility of human error and enables accurate and stable testing, within a wide range of parameters. The load can be adjusted according to the test methodology being followed.

- Relevant Standards: ISO 15184, ASTM D 3363
- Pencil tip Force Range: 0-1000g
- Speed Range: 0-10mm/s
- Pencil movement distance: 80mm

Test Standards:	• ISO 15184 • ASTM D 3363
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Pencil Hardness Tester



Ref: T01-7000031/T01-700033/T01-700034

[Click to view online](#)

Pencil Hardness Tester for easy determination of film hardness. Available in 3 models see below for ordering information.

- Relevant Standards: ASTM D 3363 and ISO 15184
- Three points are touched on the tested surface (roller, pencil & lead)
- Angle between pencil and the tested surface= 45°
- Built in spirit bubble to check level
- Pressure of pencil lead: 500g/1000g/7.5N
- Supplied as standard with: Set of Pencils (12) : -4B-3B-2B-B-HB-H-2H-3H-4H-5H-6H ; Special Pencil Sharpener and Abrasive Paper (400 grade grit)

Options

- T01-700031 - Pencil Hardness Tester - 500g
- T01-700033 - Pencil Hardness Tester - 750g (7.35N±0.1N)
- T01-700034 - Pencil Hardness Tester - Stainless Steel - 750g (7.35N±0.1N)

Accessories



Pencils for Hardness Testers Ref: T01-20641

A 17 piece set of pencils for use in pencil hardness testers.

Test Standards:	• ASTM D 3363 • ISO 15184
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Pendulum Hardness Tester



Ref: T01-700024/T01-700025/T01-700026

[Click to view online](#)

Pendulum Hardness Tester available in three model types: Persoz, König, and Persoz + König combined.

- Automatic counter range: 0-999
- High precision machined pendulums for stability and accurate results
- Suitable for different thickness substrates from 0.3mm-6.0mm
- LCD Operator Interface
- Release of Pendulum with shutter release - providing a more accurate test result
- Stable platform to eliminate vibration
- High precision inbuilt spirit levels
- Automatic timing and auto stop
- 2 light sensitive sensors for recording data
- Records timing or counting as required
- Glass enclosure reduces the effect of air flow on results

Options

Model	Description	Weight	Ball Diameter	Deflection Start	Deflection End	Period of Oscillation	Damping Time on Glass
T01-700024	König	200g ± 0.2	5mm	6°	3°	1.4s	250 ± 10s
T01-700025	Persoz	500g ± 0.1	8mm	12°	4°	1s	430 ± 10s
T01-700026	König + Persoz	200g ± 0.2 / 500g ± 0.1	5mm / 8mm	6° / 12°	3° / 4°	1.4s / 1s	250 ± 10s / 430 ± 10s

Test Standards:	• ISO 1522 • BS 3900-E5 • DIN 53157 • NBN T22-105 • NF T30-016
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Automatic Scratch Tester



Ref: T01-700027



Ref: T01-700028



Test Standards:

- ISO 1518-1
- BS 3900:E2
- ISO 1518-2

Accessories

Scratch Stylus A (0.5mm)



Ref: T01-700023

Replacement scratch metal tip for Automatic Scratch Tester.

Scratch Stylus B (0.25mm metal tip)



Ref: T01-700032

Replacement scratch metal tip for Automatic Scratch Tester.

Stylus (0.03mm)



Ref: T01-700022

Replacement scratch metal tip for Automatic Scratch Tester.

Hardness Test Pencil



Ref: T01-700015

[Click to view online](#)

Simple, compact and easy to use Hardness Test Pencil. The estimated or known spring tension is set with the help of the slider. Three scales are engraved into the test pencil for the three pressure ranges: No.1: 0 - 3 N (blue marked), No.2: 0 - 10 N (red marked), No.3: 0 - 20 N (yellow marked).

- Compression Springs: spring steel
- Total length: 160mm
- Net Weight: approx. 250g
- Standard kit includes: 1 x Test tip (0.75mm dia.-Bosch), 3 x Springs (0 - 3 N; 0 - 10 N; 0 - 20 N), 1 x Plastic carrying case
- Test tips: tungsten carbide spheres
- Diameter: 16mm

Accessories

No.1 Test Tip (0.5mm)



Ref: T01-700016

No.1 Test Tip (0.5mm).

Blue Spring (0-3N)



Ref: T01-700019

Blue Spring (0-3N).

No.2 Test Tip (0.75mm)



Ref: T01-700017

No.2 Test Tip (0.75mm).

Red Spring (0-10N)



Ref: T01-700020

Red Spring (0-10N).

No.3 Test Tip (1.0mm)



Ref: T01-700018

No.3 Test Tip (1.0mm).

Yellow Spring (0-20N)



Ref: T01-700021

Yellow Spring (0-20N).

ISO Scratching Tool



Ref: T01-701014/T01-701015/T01-701016

[Click to view online](#)

The ISO Scratching Tool is a simple but effective instrument which is used to scratch the surface of samples in preparation for adhesion, salt spray and corrosion tests. The tool is held horizontally and pulled across the sample to produce the scratch.

- Cutters made from tungsten steel
- Easily replaceable cutters
- 2 x "V" Cutters and 2 x "U" Cutters at opposite ends

Options

- T01-701014 - ISO Scratching Tool
- T01-701015 - ISO Scratching Tool - Spare V Shaped Cutter
- T01-701016 - ISO Scratching Tool - Spare U Shaped Cutter



Test Standards:

- ISO 17872:2007
- ISO 2063
- ISO 7253
- BS 7479

Mar Resistance Tester



Ref: T01-700029

[Click to view online](#)

Mar refers to blemish on the surface of a coating, extending over a particular area of the coating and visible due to the difference in the light-reflection properties of the area affected, compared with the light-reflection properties of adjacent areas.

- Working speed can be adjusted from 0 mm/s-10 mm/s
- Moveable working table convenient for measuring different areas in the same panel
- Lifting balance arm allows testing on different thickness panels from 0mm-12mm
- Loop-shaped Stylus: Chromium-plated steel rod of 1.6 mm diameter bent into a "U" shape with an outside radius of (3.25±0.05) mm hardness of Rockwell HRC56 to HRC58 and smooth surface (roughness ≤0.05 μm)
- Weights: 1×100 gram 2×200 gram 1×500 gram 2×1000 gram 1×2000 gram
- Stylus moving speed: 0 mm/s-10 mm/s (step:0.5mm/s)
- Motor Power: 60W, Angle between stylus with test panels: 45°
- Test panel Size: Less than 200 mm×100 mm (L×W) thickness less than 10mm



Test Standards:

- ISO 12137:2011
- ASTM D 2197
- ASTM D 5178

Sikkens Scratch Tool



Ref: ACC49

[Click to view online](#)

This scratching tool is specially designed to perform scribes on coated steel panels or test substrates prior to salt spray testing. The guide block can be easily adjusted using the Allen keys provided. The tool features a soft grip ergonomically designed handle for ease of use and is supplied in a sturdy and protective carry case.

- Supplied with 3 tungsten carbide cutting blades: 1 blade @ 0.5mm thick -the Daimler Chrysler version; 1 blade @ 1mm thick, the original Sikkens® version; 1 blade @ 2mm thick (requirement for 2018 update of ISO 12944-6)
- The blade is positioned by an adjustable guide block to assist cutting a straight line



Test Standards:

- ISO 17872 (acc. to DIN 9227)
- ISO 12944-6

INSPECTION KITS

Coatings and surfaces such as blast cleaned steel require measurement and monitoring. Often these tests must be undertaken in the field. Our inspection kits cover a wide range of applications and are designed to be portable and sturdy enough for field work. Complete kits, together with transport cases for regular inspections of real-world conditions.

Bresle Patch Test Kit



Ref: T01-30215 [Click to view online](#)

- Bresle Patch Test Kit for measurement of water-soluble salts and corrosion products on blast-cleaned steel. Supplied in an industrial foam-filled Carrying Case with Bresle Patches (pack of 35); Conductivity Meter; 500ml Deionised Water 500ml; 5ml Syringe with Needle; Calibration Solution (14ml) Conditioning Solution (14ml) and 25ml Beaker.
- Conductivity Meter Accuracy: ± 2
 - Conductivity Meter range: 0-1999 μ S/cm
 - Conductivity Meter resolution: 1 μ S/cm
 - Storage: Do not expose the Bresle Patches to any extremes of temperature or daylight
 - Shelf Life: The only degeneration on the Bresle Patches is the adhesive if exposed to extremes of temperature-we would recommend that the Bresle Patches are used within a 12-month period from date of purchase

 Test Standards:	• ISO 8502-6	• ISO 8502-9
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Accessories

Bresle Plus Patches (pack 50) High adhesion



Ref: T01-30221
The Bresle Patches will allow you to extract salts from blast-cleaned steel for measurement using the Horiba Conductivity Meter in the Bresle Patch Test.

500ml Bottle Deionised Water



Ref: T01-30222
Bresle Deionised Water for use with the Bresle Patches in the Bresle Patch Test. Deionised Water purity complies with ISO 3696.

Syringes (pack 10)



Ref: T01-30223
The Bresle Syringes are for use with the Bresle Patches in the Bresle Patch Test. Supplied in packs of 10 with Needles and Protective Cover.

Conductivity Meter Calibration Solutions (2 solutions & 1 deionised water)



Ref: T01-30224
Bresle 1413 μ S/cm Calibration Solution for calibrating the Horiba Conductivity Meter in the Bresle Patch Test. Bottle size 14ml.

25ml Beaker (pack 5)



Ref: T01-30225
Bresle Beakers for use with the Bresle Patches in the Bresle Patch Test. Supplied in packs of 5.

Replacement Conductivity Meter Sensor Head



Ref: T01-30226
Replacement Conductivity Meter Sensor Head for the Bresle Patch Test.

Dust Tape Test



Ref: T01-30465 [Click to view online](#)

- The Dust Tape Test using the Dust Test Tape and Dust Test Comparator will allow you to assess the quantity and size of dust particles on blast-cleaned steel.
- Tape adhesion strength: 190nN/metre
 - Tape width: 25mm (1"), Tape length: 60 metres
 - Tape Storage: Do not expose the Tape to any extremes of temperature or daylight
 - Tape Shelf Life: We would recommend that the Tape is used within a 12-month period from date of purchase
 - Supplied in an industrial foam filled Carrying Case with Dust Test Tape (60m roll); Dust Test Comparator and X10 Illuminated Magnifier

 Test Standards:	• ISO 8502-3
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Accessories

Dust Test Tape 25mm (1") 60m Roll



Ref: T01-30466
The Dust Test Tape has an adhesive strength of 9.5N per 25mm width and is transparent.

Dust Test Comparator charts (Pack 50)



Ref: T01-30467
The Dust Test Comparator Chart shows 5 classifications of dust particles and 4 sections of contrasting backgrounds where the Dust Test Tape can be applied.

Paint Inspection Kit




Ref: T01-710200 [Click to view online](#)

- The Paint Inspection Kit contains all the essential equipment needed for the testing of blast-cleaned steel and coating inspection.
- Ferrous 0-1000 μ m Coating Thickness Meter; Ferrous Probe
 - Set of 8 Calibration Foils and Zero Disk
 - Testex Replica Tape X Coarse (50 impression roll)
 - Replica Tape Gauge and Burnishing Tool
 - Bresle Patches (pack of 35)
 - Conductivity Meter
 - 500ml Deionised Water
 - 5ml Syringe with Needle
 - Calibration Solution (14ml)
 - Conditioning Solution (14ml) and 25ml Beaker
 - Dust Test Tape (60m roll)
 - Dust Test Comparator (pack of 50) and X10 Illuminated Magnifier
 - Dewpoint Meter and Humidity Sensor
 - Wet Film Gauge (pack of 5)

Options

- Paint Inspection Kit
- Paint Inspection Kit with calibration Certificates

 Test Standards:	• ISO 8503-5	• ISO 2808	• ISO 2063	• ASTM G12
	• ISO 8502-6	• ISO 2008	• ASTM D4417	• NACE SP0287
	• ISO 8502-9	• ISO 19840	• ASTM D4414	
	• ISO 8502-3	• ISO 2360	• ASTM D7091	
	• ISO 8502-4	• ISO 1461	• ASTM E376	

PosiTector® Inspection Kits



Ref: T01-20473-84 [Click to view online](#)

PosiTector Inspection Kits contain a PosiTector Gauge body (Standard or Advanced) with 3 probes—coating thickness, environmental and surface profile—and accessories in a convenient hard shell carrying case. Available with your choice of Standard or Advanced Gauge features.

Each Inspection Kit contains:

- 1x PosiTector Gauge Body (Standard or Advanced)
- 1x PosiTector 6000 Coating Thickness Probe (select from a variety of measurement ranges and probe styles)
- 1x PosiTector DPM Environmental Probe
- 1x PosiTector SPG Surface Profile Probe
- Each PosiTector body accepts all PosiTector 6000, 200, DPM, IRT, RTR, SPG, SST, SHD, BHI and UTG probes easily converting from a coating thickness gage to a dew point meter, surface profile gauge, soluble salt tester, hardness, or ultrasonic wall thickness gauge
- Select from 12 pre-configured kits
- Certificate of Calibration showing traceability to NIST or PTB included (Long Form)

Options

Model	Description	Surface Profile Probe	Environmental Probe	Coating Thickness Probe
T01-20473	Standard Body Kit F1	PRBSPG	PRBDPM	0 - 1,500 µm (0 -60 mils) Ferrous only, integral
T01-20474	Standard Body Kit FS1	PRBSPG	PRBDPM	0 - 1,500 µm (0 - 60 mils) Ferrous only, with cable
T01-20475	Standard Body Kit FT1	PRBSPG	PRBDPM	0 - 6,000 µm (0 - 250 mils) Ferrous only, integral
T01-20476	Standard Body Kit FTS1	PRBSPG	PRBDPM	0 - 6,000 µm (0 - 250 mils) Ferrous only, with cable
T01-20477	Standard Body Kit FN1	PRBSPG	PRBDPM	0 - 1,500 µm (0 - 60 mils) Ferrous/non-ferrous, integral
T01-20478	Standard Body Kit FNS1	PRBSPG	PRBDPM	0 - 1,500 µm (0 - 60 mils) Ferrous/non-ferrous, with cable
T01-20479	Standard Body Kit F3	PRBSPG	PRBDPM	0 - 1,500 µm (0 - 60 mils) Ferrous only, integral
T01-20480	Standard Body Kit FS3	PRBSPG	PRBDPM	0 - 1,500 µm (0 - 60 mils) Ferrous only, with cable
T01-20481	Standard Body Kit FT3	PRBSPG	PRBDPM	0 - 6,000 µm (0 - 250 mils) Ferrous only, integral
T01-20482	Standard Body Kit FTS3	PRBSPG	PRBDPM	0 - 6,000 µm (0 - 250 mils) Ferrous only, with cable
T01-20483	Standard Body Kit FN3	PRBSPG	PRBDPM	0 - 1,500 µm (0 - 60 mils) Ferrous/non-ferrous, integral
T01-20484	Standard Body Kit FNS3	PRBSPG	PRBDPM	0 - 1,500 µm (0 - 60 mils) Ferrous/non-ferrous, with cable

PosiTector® SST -Soluble Salt Tester



Ref: T01-20516-27 [Click to view online](#)

Soluble Salt Tester for measuring the concentration of soluble salts on metal surfaces.

- Conductivity probe specifically designed for ISO 8502-6/ 9
- Displays test duration; sample temperature; conductivity (µS/cm) and surface density (mg/m² or µg/cm²)
- Easy 1-2-3 Gauge interface guides users through the Bresle test method
- Large 2.8" impact resistant colour touchscreen with redesigned keypad for quick menu navigation
- Weatherproof, dustproof and water-resistant—IP65-rated enclosure
- PosiTector interchangeable platform—attach any PosiTector probe to a single Gauge body
- USB, Wi-Fi and Bluetooth connectivity to PosiSoft PC, Mac and Smartphone software
- Certificate of Calibration showing traceability to NIST included

Options

Model	Description	Includes
T01-20516	SST Standard	PosiTector Standard Gage Body, PosiTector SST Probe, Nylon carrying case with shoulder strap
T01-20517	SST Advanced	PosiTector Advanced Gage Body, PosiTector SST Probe Nylon carrying case with shoulder strap
T01-20518	SST Probe Only	PosiTector SST probe only
T01-20519	SST Posi-Patch Kit Standard	PosiTector Advanced Gage Body, PosiTector SST Probe, PosiPatch (5), Standard Magnetic Ring, Syringe and Plastic Tip (2), 250 ml DI Water, Cup (5), Hard-shell Carrying Case
T01-20520	SST Posi-Patch Kit Advanced	PosiTector Advanced Gage Body, PosiTector SST Probe, PosiPatch (5), Standard Magnetic Ring, Syringe and Plastic Tip (2), 250 ml DI Water, Cup (5), Hard-shell Carrying Case
T01-20521	SST Posi-Patch Kit & Probe	PosiTector SST Probe only, PosiPatch (5), Standard Magnetic Ring*, Syringe and Plastic Tip (2), 250 ml DI Water, Cup (5)
T01-20522	SST Defelsko Adhesive Patch Kit Standard	PosiTector Standard Gage Body, PosiTector SST Probe Defelsko Adhesive Patch (25), Syringe and Needle (2), 250 ml DI Water, Cup (5), Hard-shell Carrying Case
T01-20523	SST Defelsko Adhesive Patch Kit Advanced	PosiTector Standard Gage Body, PosiTector SST Probe Defelsko Adhesive Patch (25), Syringe and Needle (2), 250 ml DI Water, Cup (5), Hard-shell Carrying Case
T01-20524	SST Defelsko Adhesive Patch Kit & Probe	PosiTector SST Probe only, Defelsko Adhesive Patch (25), Syringe and Needle (2), 250 ml DI Water, Cup (5)
T01-20525	SST Latex Patch Kit Standard	PosiTector Standard Gage Body, PosiTector SST Probe, Latex Adhesive Patch (25), Syringe and Needle (2), 250 ml DI Water, Cup (5), Hard-shell Carrying Case
T01-20526	SST Latex Patch Kit Advanced	PosiTector Advanced Gage Body, PosiTector SST Probe, Latex Adhesive Patch (25), Syringe and Needle (2), 250 ml DI Water, Cup (5), Hard-shell Carrying Case
T01-20527	SST Latex Patch Kit & Probe	PosiTector SST Probe only, Latex Adhesive Patch (25), Syringe and Needle (2), 250 ml DI Water, Cup (5)



Test Standards:

- ISO 8502-6/8502-9
- US Navy NSI 009-32
- US Navy PPI 63101-000
- Navy NAVSEA 009-32
- AS 3894.6
- IMO MSC.215(82)
- IMO MSC.244(83)
- SSPC Guide 15
- ISO 11127-6
- ASTM D4940

Accessories

Abrasives Test Kit



Ref: T01-20528
Determines the concentration of soluble salt contaminants in blast cleaning abrasives.

PosiPatch Standard Ring Starter Pack



Ref: T01-20529
Try the revolutionary, reusable Bresle Method PosiPatch with a low cost trial pack.

PosiPatch Flexible Ring Starter Pack



Ref: T01-20530
Try the revolutionary, reusable Bresle Method PosiPatch with a low cost trial pack.

PosiPatches x24/x5



Ref: T01-20531/T01-20532
Reusable Bresle Test patch with Standard or Flexible magnetic ring.

DeFelsko Patches x25



Ref: T01-20533
DeFelsko Adhesive Bresle Method Patch (Pack of 25).

Latex Patches x25



Ref: T01-20534
Latex patch with easy-open tab and low-tack adhesive with TearGuard™ technology. (Pack of 25).

Standard Magnetic Ring



Ref: T01-20535
Standard Magnetic Ring.

Flexible Magnetic Ring



Ref: T01-20536
For pipes and other tight diameters, it allows the PosiPatch to form a tight, leak-free seal.

Plastic Dispensing Tips x10



Ref: T01-20537
Plastic dispensing tips for the PosiTector SST. Pack of 10.

Hypodermic Needle x10



Ref: T01-20538
For use with adhesive patches. Pack of 10.

3ml Graduated Syringes x10



Ref: T01-20539
For use with dispensing tips and/or needles. Pack of 10.

30ml Graduated Cups x10



Ref: T01-20540
Sterile, single-use cups. Pack of 10.

Conductivity Standard



Ref: T01-20541
Used to verify the accuracy of your PosiTector SST probe (60 ml).

Deionized Water 250ml/1L



Ref: T01-20542/T01-20543
Purified, ion-free water.

Foam Swab (5 pack)



Ref: T01-20544
Foam Swabs (5 pack) for cleaning probe.

Circle Filters



Ref: T01-20545
Circle Filters (100 pack). 125 mm for use with Abrasives Test Kit.

PosiTest® AIR

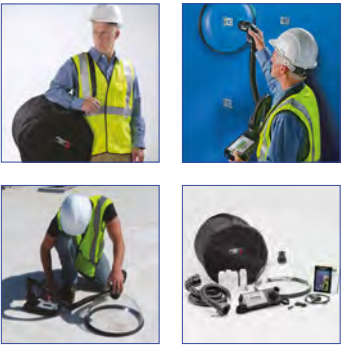


Ref: T01-20553 [Click to view online](#)

The portable, hand-operated PosiTest AIR Leak Tester tests the air barrier integrity of single, two-ply and liquid membrane systems, including air barriers, roofing systems, waterproofing and ground liners by locating leaks.

- Automatic mode depressurizes the test chamber at a user-selectable rate and limit
- Manual mode allows the user to control the rate of depressurization
- Internal memory stores up to 200 test results with rate; time duration; limit and user-entered Pass/Fail conclusion
- Portable lightweight tester can be used in any position
- Environmentally sealed enclosure—dustproof and waterproof
- Built-in rechargeable batteries perform up to 200 tests per charge. Continue testing with AC power while batteries recharge. Supplied with universal AC adapter
- High accuracy pressure sensor
- Conforms to Standards including ASTM E1186
- Comes with everything needed for testing
- Includes FREE downloadable PosiSoft® 3.0 Desktop Software for PC

Test Standards: • ASTM E1186



Accessories

Test Solution 8 oz (Case 16)



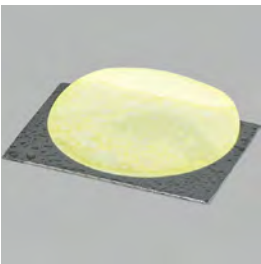
Ref: T01-20554
PosiTest AIR Test Solution for use with the PosiTest AIR tester.

Low Temp Solution 8 oz (Case 16)



Ref: T01-20555
PosiTest AIR Test Solution for use with the PosiTest AIR tester.

Potassium Ferricyanide Papers



Ref: T01-30230 [Click to view online](#)

Potassium Ferricyanide Test Papers will detect iron salts that form at the bottom of rust pits on blast-cleaned steel.

The test involves the reaction of soluble ferrous iron salts with potassium ferricyanide to form ferric hexacyanoferrate, which is commonly known as Prussian blue. The relatively high tinting strength of Prussian blue enables the reaction to be used as a very sensitive test on ferrous irons.

- Paper Diameter: 90mm
- Storage: Do not expose the Potassium Ferricyanide Papers to any extremes of temperature and ensure that they are retained in their light protective pouch
- Shelf Life: We would recommend that the Potassium Ferricyanide Papers are used within a 6-month period from date of purchase
- Supplied in a pack of 100 papers

PosiTest® Powder Inspection Kits



Ref: T01-20619-24 [Click to view online](#)

Complete Kits for Powder Inspection, complete with the PosiTest PC Non-contact Uncured Powder Thickness Gauge. Affordably measures uncured powder coatings using non-contact ultrasonic technology to predict a cured thickness.

- Range: 20 - 100 µm (0.8 - 4.0 mils)
- Resolution: 1 µm (0.1 mil)
- Accuracy: ±5 µm (± 0.2 mil)
- Measurement Time: 1 - 3 seconds
- Measurement Distance to Powder: 19mm (0.75 inch)
- Measurement Area: 2mm (0.8 inch)
- Size: 241 x 64 x 51mm
- Weight: 180g

Options

Model	Kit	Description
T01-20619	DFT F	PosiTest DFT Ferrous Gauge, Powder Combs: Model 1 and Model 4
T01-20620	DFT C	PosiTest DFT Combo Gauge, Powder Combs: Model 1 and Model 4
T01-20621	6000 FS1	PosiTector 6000 Standard (ferrous only), Powder Combs: Model 1 and Model 4
T01-20622	6000 FS3	PosiTector 6000 Advanced (ferrous only), Powder Combs: Model 1 and Model 4
T01-20623	6000 FNS1	PosiTector 6000 Standard (ferrous & non-ferrous), Powder Combs: Model 1 and Model 4
T01-20624	6000 FNS3	PosiTector 6000 Advanced (ferrous & non-ferrous), Powder Combs: Model 1 and Model 4

Test Standards: - ASTM D7378

Accessories

Probe Screens (pack 2)



T01-20625
Used to protect the probe transducer (Qty. 2).

USB Retension Fixture



Ref: T01-20626
For use with the PosiTest PC. Includes a USB retaining clip, screwdriver, 3m (10 ft) USB cable, label and instructions.

DeFelsko Powder Combs



Ref: T01-20627-32
This simple, easy-to-use gage measures the thickness of applied dry coating powder before curing.

Rust Grade Book ISO 8501-1



Ref: T01-30468 [Click to view online](#)

The Rust Grade Book specifies a series of Rust Grades and Preparation Grades of blast-cleaned steel surfaces. The various Grades are defined by written descriptions together with photographs.

- Relevant Standard: ISO 8501-1
- Compiled by: ISO
- Edition: Second. 2007-05-01
- Translation: English; French; German & Swedish

Test Standards: - ISO 8501-1

PINHOLE AND POROSITY

Flaws in coatings can lead to damage, including corrosion as surfaces become exposed to the environment. Porosity refers to voids created underneath the surface of a coating, often caused by gases and temperature conditions. In time, these voids may become larger and cause damage to the surface. Pinholes are visible on the surface of a coating and again, if left unchecked may lead to further damage to the substrate.

Holiday Detector



Ref: T01-30600/T01-30601/T01-30602 [Click to view online](#)

The Holiday Detector is a DC voltage Holiday Detector for detecting pinholes and flaws in insulated coatings on conductive substrates.

- Accuracy: ±1%
- Resolution S4001: 0.01kV
- Resolution S4002 & S4003: 0.1kV
- Voltage Type: DC, Lightweight and portable
- Supplied in an industrial foam-filled Carrying Case with High Voltage Probe, Band Brush, 10m Earth Cable and Carry Bag

Options

- **T01-30600:** DC Holiday Detector 0.5-6kV - Maximum test thickness 1100µm, inc high voltage handle
- **T01-30601:** DC Holiday Detector 1-20kV - Maximum test thickness 3700µm, inc high voltage handle
- **T01-30602:** DC Holiday Detector 1-30kV - Maximum test thickness 8000µm, inc high voltage handle

Test Standards: - ISO 29601 - ASTM D5162 - NACE SP0274 - NACE SP0490
- ISO 2746 - ASTM G62 - NACE SP0188

Accessories

Extension Rods



Ref: T01-30603
Extension Rods for Holiday Detector.

Broad Brush 200mm/500mm



Ref: T01-30605/T01-30606
Broad Holiday Brush for Holiday Detector.

Circular Brushes



Ref: T01-30607
Circular Brushes for Holiday Detector.

Rolling Springs



Ref: T01-30614
Rolling Springs for Holiday Detector.

Spare Earth Cable 10m



Ref: T01-30630
Spare Earth Cable for Holiday Detector.

Spare Band Brush



Ref: T01-30631
Band Brush for use with the Holiday Detector.

Spare High Voltage Handle



Ref: T01-30632
High Voltage Handle for use with the Holiday Detector.

Spare Earth Cable 20m



Ref: T01-30645
Spare Earth Cable for Holiday Detector.

PosiTest® HHD High Voltage Holiday Detector




Ref: T01-20420/T01-20421 [Click to view online](#)

High Voltage Holiday Detector. Detects holidays, pinholes and other discontinuities using pulse DC. Available in two kit configurations. The PosiTest HHD Kit features a longer electrode rod, increased battery capacity; Pelican Storm case; and shoulder strap.

- Relevant Standards: ASTM D4787, D5162/G62, ISO 29601, NACE SP0188/SP0274/SP0490, AS3894.1
- Lightweight ergonomic design provides comfortable all-day use, reducing operator fatigue
- Regulated pulse DC voltage output that won't change under load— ±5% voltage accuracy
- Voltage calculator feature—choose one of 11 international standards and input the coating thickness to automatically calculate the required test voltage
- Extensive electrode options—choose from a wide range of rolling spring and flat wire brush electrodes or use electrodes from other manufacturers with optional adaptor
- Long Form Certificate of Calibration included with each instrument

Options

- **T01-20420: PosiTest® HHD High Voltage Holiday Detector Kit** - PosiTest HHD, 7.6m (25') ground (earth) cable with ground clip, 72 Wh Li-ion battery pack with built-in charge state indicator, smart charger with universal AC voltage input, stainless steel fan brush, 50cm (20") electrode rod with thumb screw, shoulder strap, instruction manual, durable Pelican Storm case, long form Certificate of Calibration traceable to NIST, two year warranty.
- **T01-20421: PosiTest® HHD High Voltage Holiday Detector Basic Kit** - 7.6m (25') ground (earth) cable with ground clip, 36 Wh Li-ion battery pack with built-in charge state indicator, smart charger with universal AC voltage input, stainless steel fan brush, 13cm (5') electrode rod with thumb screw, instruction manual, hard shell case, long form Certificate of Calibration traceable to NIST, two year warranty.

 Test Standards:	• ASTM D4787
	• ASTM D5162
	• ISO 29601
	• NACE SP0188/SP0274/SP0490
	• AS3894.1

Accessories

PosiTest® Verifier



Ref: T01-20430
PosiTest HHD Verifier standalone voltmeter.

PosiTest® Flat Wire Brush Electrodes



Flat Wire Brush Electrode for PosiTest HHD.

- 51mm/2"
 - 152mm/6"
 - 203mm/8"
 - 305mm/12"
 - 610mm/24"
 - 914mm/36"
 - 1219mm/48"
- Ref: T01-20431
Ref: T01-20432
Ref: T01-20433
Ref: T01-20434
Ref: T01-20435
Ref: T01-20436
Ref: T01-20437

PosiTest® Fan Brush Electrode 152mm/6"



Ref: T01-20438
Replacement Fan Brush Electrode for PosiTest HHD.

PosiTest® Conductive Paddle Electrode 102mm/4"



Ref: T01-20439
102mm/4" Conductive Rubber Paddle for PosiTest HHD.

PosiTest® Rolling Spring Coil



Rolling Spring Coil for PosiTest HHD.

- 4" pipe (102mm) OD
- 6" pipe (152mm) OD
- 8" pipe (203mm) OD
- 10" pipe (254mm) OD
- 12" pipe (304mm) OD
- 14" pipe (356mm) OD
- 16" pipe (406mm) OD
- 20" pipe (508mm) OD
- 24" pipe (610mm) OD
- 30" pipe (762mm) OD
- 36" pipe (914mm) OD

- Ref: T01-20440
- Ref: T01-20441
- Ref: T01-20442
- Ref: T01-20443
- Ref: T01-20444
- Ref: T01-20445
- Ref: T01-20446
- Ref: T01-20447
- Ref: T01-20448
- Ref: T01-20449
- Ref: T01-20450

PosiTest® Spring Connector



Ref: T01-20451
Spring Connector(to attach Rolling Spring Coil Couplers to PosiTest HDD).

Accessories

PosiTest® Handheld Wand



Ref: T01-20422
Handheld Wand With a 1.5 m insulated cable for PosiTest HHD.

PosiTest® Replacement Battery



Ref: T01-20423
Replacement Li-ion battery for PosiTest HHD.

PosiTest® PCWI Adaptor



Ref: T01-20424
PCWI Adaptor for PosiTest HHD.

PosiTest® Tinker and Rasor Adaptor



Ref: T01-20425
HHD Tinker and Rasor Adaptor for PosiTest HHD.

PosiTest® 266 and 280 Adaptor



Ref: T01-20426
266 and 280 Adaptor for PosiTest HHD.

PosiTest® Electrode Rod 127mm/5"



Ref: T01-20427
127mm (5") Electrode Rod for PosiTest HHD.

PosiTest® Electrode Rod Thumb Screws (3)



Ref: T01-20428
Electrode Rod Thumb Screws (3) for PosiTest HHD.

PosiTest® Ground Cable 7.5m/25'



Ref: T01-20429
HHD Ground Cable 7.5m/25' for PosiTest HHD.

Pinhole Detector



Ref: T01-30640 [Click to view online](#)

The Pinhole Detector will detect pinholes and flaws in coatings on conductive substrates using the wet sponge method. These flaws would eventually lead to corrosion and premature failure of the coating.

Operation is by a wet sponge, moistened with water containing a wetting agent, being moved over the coating. If a pinhole is detected, the water will make a conductive path through the pinhole in the coating to the metal substrate, the alarm will sound and the red flashing fault indicator will illuminate.

Supplied in an industrial Carrying Case with Sponge Assembly and Earth Cable (5m)

- Suitable for use with coatings up to 500µm
- 9V/67.5V/90V Voltage accuracy of ±1%
- Supplied in an industrial Carrying Case with Sponge Assembly and Earth Cable (5m)

 Test Standards:	• ISO 29601
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PosiTest® LPD Low Voltage Pinhole Detector



Ref: T01-20408/T01-20409 [Click to view online](#)

Low voltage Pinhole Detector for metal and concrete substrates. Detects holidays, pinholes and other discontinuities in coatings on metal and concrete substrates.

- GroundSense visibly reassures the user that the instrument is properly grounded
- 4 voltage output options conform to a variety of standards
- Weatherproof dustproof and shockproof—meets or exceeds IP65
- Rugged environmentally sealed enclosure
- Two year warranty
- Certificate of Calibration showing traceability to NIST included

Options

- **T01-20408: PosiTest® LPD Basic Kit** - Base tube, 3 AAA batteries, rectangle sponge hardware, rectangle sponge, 4.5m (15') ground wire, insulating collar, ear bud, wrist strap, carabiner, instructions and hard shell case.
- **T01-20409: PosiTest® LPD Complete Kit** - As basic kit plus: adaptable sponge hardware, rectangle (flat) roller, internal diameter, additional 20cm x 20cm (8" x 8") sheet sponge for custom usages, wetting agent and extension accessories, extension rods provide an additional 0.6m (2') of reach, universal adapters to extend existing paint rollers and poles, 12m (40') ground wire, 4.5m (15') hot wire and magnetic grounding post.

	Test Standards:	• ISO 14654	• ASTM G62	• D5162, BS7793-2	• SP0188, AS3894.2
		• ISO 8289-A	• ASTM G6	• NACE TM0384	• JIS K 6766

Accessories

PosiTest®LPD Accessory Pack



Ref: T01-20410
Complete accessory pack of the PosiTest LPD.

PosiTest®LPD Cabled Wand



Ref: T01-20411
Converts the PosiTest LPD Low-voltage Pinhole Detector into a cabled-wand style unit.

PosiTest®LPD Roller Sponge Hardware



Ref: T01-20412
Roller Sponge Hardware for PosiTest LPD.

PosiTest®LPD Rectangular Sponges (3)



Ref: T01-20413
Rectangle Sponges (3 pack) for PosiTest LPD.

PosiTest®LPD Roller Sponges (12)



Ref: T01-20414
Roller Sponges (12 pack) for PosiTest LPD.

PosiTest®LPD 8x8 Custom Sponges (3)



Ref: T01-20415
LPD 8 x 8 Custom Sponges (3).

PosiTest®LPD Extension Rod (305mm)



Ref: T01-20417
Extends the PosiTest LPD base rod an additional 0.3m (1').

PosiTest®LPD 60ml Wetting Agent (2)



Ref: T01-20418
PosiTest LPD Wetting Agent (60ml) x 2.



PosiTest®LPD Verifier

Ref: T01-20419
For verification of electrical resistance of the PosiTest LPD.

SURFACE PROFILE

Surface profile testing provides a detailed picture of deviations such as peaks and valleys together with the heights of these deviations. These random deviations are common after abrasive surface preparation such as blast cleaning. It is an important measurement to undertake prior to applying coatings to enable any adjustments to be made ahead of application.

PosiTector® RTR 3D Replica Tape Reader



Ref:T01-20373/T01-20374/T01-20375 [Click to view online](#)

Replica Tape Reader to measure and record 2D/3D surface profile parameters.

- Measuring Range (H): 20 - 115µm 0.8 - 4.5 mils
- Minimum Roughness (Ra): 2µm 0.08 mil/80 µin
- Accuracy (Rt): ± (5µm + 5%) ± (0.2 mils + 5%)
- Anvil Pressure: 11 Newtons 110 grams-force
- Field of View: 3.8 x 3.8mm 0.149 x 0.149 inch
- Vertical Resolution: 100nm - 2D/3D, 10 nm - SDF 3.93 µin - 2D/3D, 0.393 µin - SDF
- Resolution: 0.1µm 0.01 mils
- Measuring Range (Rt): 10 - 115µm 0.4 - 4.5 mils
- Accuracy (H): ± 5µm ± 0.2 mils
- Accuracy (Ra): ± (0.25µm + 5%) ± (0.01 mils + 5%)
- Anvil Size: Ø6.35mm Ø0.25 inch
- Lateral Sampling: 3.7µm 0.145 mils

Options

- **T01-20373: PosiTector® RTR 3D Replica Tape Reader – Standard**
- **T01-20374: PosiTector® RTR 3D Replica Tape Reader – Advanced**
- **T01-20375: PosiTector® RTR 3D Replica Tape Reader – Probe Only**

	Test Standards:	• ASME B46	• ISO 8503-5	• SSPC-PA 17	• SP6, SP1, 0
		• ASTM D4417	• NACE SP287	• SSPC-SP5	• SP11-87T

Accessories

Cleaning Cards for PosiTector RTR H and RTR 3D



Ref: T01-20376
Cleaning Cards for PosiTector RTR H and RTR 3D.

Surface Cleaning Putty



Ref: T01-20377
Surface Cleaning Putty.

Stainless Steel Burnishing Tool



Ref: T01-20378
Stainless Steel Burnishing Tool.

Burnishing Ball



Ref: Ref: T01-20379
Burnishing Ball.

Certified Shim Set (RTR)



Ref: T01-20380
Certified Shim Set (RTR).

PosiTector RTR Check Shim



Ref: T01-20381
PosiTector RTR Check Shim.

Check Tape



Ref: T01-20382
Check Tape.

Replica Tape Holder



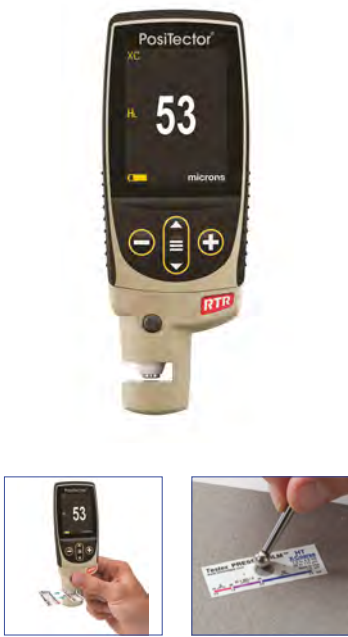
Ref: T01-20383
Replica Tape Holder.

Testex™ Press-O-Film™ Replica Tape



- T01-20384 - Coarse (C).
- T01-20385 - X-Coarse (XC).
- T01-20386 - Optical Grade Coarse (C).
- T01-20387 - Optical Grade X-Coarse (XC).

PosiTector® RTR H Replica Tape Reader



Ref: T01-20370/T01-20371/T01-20372 [Click to view online](#)

Electronic Surface Profile Gauge for Blasted Steel and Textured Coatings.

- Peak Height (HL): 20 to 115 µm
- Measurement Range: (0.8 to 4.5 mils)
- Peak Height (HL) Accuracy: ± 5 µm (± 0.2 mils)
- Peak Height (HL) Resolution: 1 µm (0.1 mils)
- Anvil Diameter: Ø6.35mm (Ø0.25 inch)
- Anvil Pressure: 11 Newtons (110 gram-force)
- Size: 127 x 66 x 25.4mm (5" x 2.6" x 1")
- Weight: 137 g (4.9 oz) without batteries

Options

- **T01-20370:** PosiTector® RTR H Replica Tape Reader – Standard
- **T01-20371:** PosiTector® RTR H Replica Tape Reader – Advanced
- **T01-20372:** PosiTector® RTR H Replica Tape Reader – Probe Only

Test Standards:	• ASTM D4417	• RP287	• SSPC-SP5	• SP10
	• ISO 8503-5	• SSPC-PA 17	• SP6	• SP11-87T

Accessories

Cleaning Cards for PosiTector RTR H and RTR 3D



Ref: T01-20376
Cleaning Cards for PosiTector RTR H and RTR 3D.

Surface Cleaning Putty



Ref: T01-20377
Surface Cleaning Putty.

Stainless Steel Burnishing Tool



Ref: T01-20378
Stainless Steel Burnishing Tool.

Certified Shim Set (RTR)



Ref: T01-20380
Certified Shim Set (RTR).

PosiTector RTR Check Shim



Ref: T01-20381
PosiTector RTR Check Shim.

Replica Tape Holder



Ref: T01-20383
Replica Tape Holder.

Testex™ Press-O-Film™ Replica Tape



- T01-20384** - Coarse (C).
- T01-20385** - X-Coarse (XC).
- T01-20386** - Optical Grade Coarse (C).
- T01-20387** - Optical Grade X-Coarse (XC).

Testex Replica Gauge



Ref: T01-30370 [Click to view online](#)

A unique replica technique and a snap gauge enable accurate, blast-cleaned surface profile measurements. Testex Replica Tape makes Surface replicas easy to obtain and produces average maximum peak-to-valley readings that ensure optimum blasting effectiveness. Replicas can be retained for future needs.

- Replica Tape Gauge accuracy: ±1%FSD
- Temperature: Produces accurate replicas on surface temperatures of -10 to +65°C
- Storage: Do not expose the Testex Replica Tape to any extremes of temperature or daylight
- Shelf Life: The replica foam has no expiry date - the only degeneration is the adhesive on the Tape we would recommend that the Tape is used within a 12-month period from date of purchase
- The Replica Tape Gauge is supplied in an industrial foam-filled Carrying Case with Testex Replica Tapes Coarse and X Coarse and a Burnishing Tool

Test Standards:	• ISO 8503-5	• ASTM D4417	• NACE SP0287

Accessories

Testex Tape X Coarse (50 impressions)



Ref: T01-30335
Testex Tape X Coarse (50 impressions)
40-115µm (1.5-4.5mils).

Testex Tape Coarse (50 impressions)



Ref: T01-30340
Testex Tape Coarse (50 impressions)
20-64µm (0.8-2.5mils).

Roughness Comparator



Ref: T01-30375/T01-30376 [Click to view online](#)

A precision nickel Comparator plate for grit and shot-blast surface roughness comparison measurement.

- The Roughness Comparator method is applicable to steel surfaces that have been blast-cleaned with either metallic or non-metallic abrasives to grades Sa 2½ and Sa 3 - when a mixture of shot and grit abrasives are used to blast-clean a substrate the Grit Surface Roughness Comparator should be used
- Profile Segment 1: Grit 25µm. Shot 25µm, Profile Segment 2: Grit 60µm. Shot 40µm, Profile Segment 3: Grit 100µm. Shot 70µm, Profile Segment 4: Grit 150µm. Shot 100µm
- Supplied in a protective wallet

Options

- **T01-30375:** Roughness Comparator Grit
- **T01-30376:** Roughness Comparator Shot

Test Standards:	• ISO 8503-1	• ISO 8503-2	• ASTM D4417

PosiTector® SPG – Surface Profile Gauge



Ref: T01-30346-8; T01-20388-90; T01-20394-9


[Click to view online](#)

Surface Profile Gages for Blasted Steel, Textured Coatings, and Concrete Profile.

- Large 2.8" impact resistant color touchscreen with redesigned keypad for quick menu navigation
- Weatherproof, dustproof, and water-resistant–IP65-rated enclosure
- Alumina wear face and tungsten carbide tip for long life and continuous accuracy–field replaceable
- PosiTector interchangeable platform–attach any PosiTector probe to a single gage body
- Fast measurement rate of over 50 readings per minute–for quickly measuring large surfaces
- USB, WiFi, and Bluetooth connectivity to PosiSoft PC, Mac, and Smartphone software
- Certificate of Calibration showing traceability to PTB included (Long Form)

Options

Model	Description	Measuring Range	Accuracy	Tip Angle
T01-30346	Integral Probe (Standard)	0 - 500µm 0 - 20mils	± (5µm + 5%) ± (0.2mils + 5%)	60 Degree Radius: 50µm (2mils)
T01-30347	Integral Probe (Advanced)	0 - 500µm 0 - 20mils	± (5µm + 5%) ± (0.2mils + 5%)	60 Degree Radius: 50µm (2mils)
T01-30348	Integral Probe (Probe Only)	0 - 500µm 0 - 20mils	± (5µm + 5%) ± (0.2mils + 5%)	60 Degree Radius: 50µm (2mils)
T01-20388	Cabled Probe (Standard)	0 - 500µm 0 - 20mils	± (5µm + 5%) ± (0.2mils + 5%)	60 Degree Radius: 50µm (2mils)
T01-20389	Cabled Probe (Advanced)	0 - 500µm 0 - 20mils	± (5µm + 5%) ± (0.2mils + 5%)	60 Degree Radius: 50µm (2mils)
T01-20390	Cabled Probe (Probe Only)	0 - 500µm 0 - 20mils	± (5µm + 5%) ± (0.2mils + 5%)	60 Degree Radius: 50µm (2mils)
T01-20391	Outside Diameters - Probe	0 - 500µm 0 - 20mils	± (5µm + 5%) ± (0.2mils + 5%)	60 Degree Radius: 50µm (2mils)
T01-20392	Outside Diameters - Advanced	0 - 500µm 0 - 20mils	± (5µm + 5%) ± (0.2mils + 5%)	60 Degree Radius: 50µm (2mils)
T01-20393	Outside Diameters - Standard	0 - 500µm 0 - 20mils	± (5µm + 5%) ± (0.2mils + 5%)	60 Degree Radius: 50µm (2mils)
T01-20394	Cabled Probe for Textured Coatings (Standard)	0 - 1500µm 0 - 60mils	± (5µm + 5%) ± (0.2mils + 5%)	60 Degree Radius: 500µm (20mils)
T01-20395	Cabled Probe for Textured Coatings (Advanced)	0 - 1500µm 0 - 60mils	± (5µm + 5%) ± (0.2mils + 5%)	60 Degree Radius: 500µm (20mils)
T01-20396	Cabled Probe for Textured Coatings (Probe Only)	0 - 1500µm 0 - 60mils	± (5µm + 5%) ± (0.2mils + 5%)	60 Degree Radius: 500µm (20mils)
T01-20397	Cabled Probe for Concrete Surface Profile (Standard)	0 - 6mm 0 - 250mils	± (76µm + 1%) ± (3mils + 1%)	60 Degree Radius: 500µm (20mils)
T01-20398	Cabled Probe for Concrete Surface Profile (Advanced)	0 - 6mm 0 - 250mils	± (76µm + 1%) ± (3mils + 1%)	60 Degree Radius: 500µm (20mils)
T01-20399	Cabled Probe for Concrete Surface Profile (Probe Only)	0 - 6mm 0 - 250mils	± (76µm + 1%) ± (3mils + 1%)	60 Degree Radius: 500µm (20mils)

 Test Standards:	<ul style="list-style-type: none">• ASTM D4417-B• ASTM D8271 (SPG TS only)• U.S. Navy NSI 009-32• Navy NAVSEA 009-32• US Navy NAVSEA PPI 63101-000• SSPC PA 17• SANS 5772
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Accessories

Replacement Tip	Glass Plate and Check Shim	Certified SPG Standards	Large V Groove Adaptor
			
Tip C Tip T Tip	Ref: T01-30352 Glass plate and check shim.	Ref: T01-20402 PosiTector SPG Certified Standards.	Ref: T01-20403 Large V Groove Adaptor for 12" -18" pipes.

TEST PANELS & CHARTS

When testing coatings, it is important that the test substrate used is uniform and consistent across tests. To ensure this, we supply a range of charts including opacity and hiding power charts with a choice of finishes depending on the standard being tested to. We also offer steel test panels (coupons) for testing to ISO 9227 & VDA 233-102 and GMW14872 & GM9540P.

Hiding Power Charts



Ref: T01-700291-6; T01-700744-5

[Click to view online](#)

A wide range of test charts (opacity charts and spreading rate charts) used to determine or compare hiding power & contrast ratios of pigmented coating materials such as paint, emulsions and ink.

Options

Model	Description	Size (mm)	Pack Quantity	Description
T01-700291	Opacity Display Charts - Film Laminated	250 x 140mm	500	Bold diagonally striped pattern and half black/half white
T01-700292	Display Spreading Charts - Film Laminated	289 x 194mm	500	Bold diagonally striped pattern and half black/half white/UV solidified
T01-700293	Opacity Spreading Charts 9A - Clear Coated	250 x 140mm	500	Bold diagonally striped pattern and half black/half white
T01-700294	Display Spreading Charts 8B - Clear Coated	289 x 194mm	500	Bold diagonally striped pattern and half black/half white/UV solidified
T01-700744	Opacity Display Spreading 12H - Clear Coated	438 x 286mm	250	Bold diagonally striped pattern and half black/half white/UV solidified
T01-700295	Checkerboard Spreading Rate Charts - Film Laminated	250 x 100mm	1000	Black and white squares
T01-700745	Checkerboard Spreading Rate Charts - Film Laminated	250 x 140mm	500	Black and white squares
T01-700296	Checkerboard Spreading Rate Charts - Clear Coated	250 x 140mm	500	Black and white squares

Opacity Charts



Ref: T01-700285-90; T01-700743

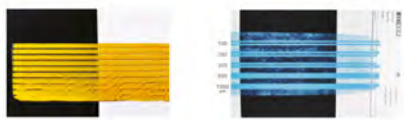
[Click to view online](#)

A wide range of test charts (opacity charts and spreading rate charts) used to determine or compare hiding power & contrast ratios of pigmented coating materials such as paint, emulsions and ink.

Options

Model	Description	Size (mm)	Pack Quantity
T01-700285	Opacity Charts - Film Laminated	150 x 100mm	1000
T01-700286	Opacity Charts - Film Laminated	250 x 140mm	500
T01-700287	Opacity Charts - Film Laminated	289 x 194mm	500
T01-700288	Opacity Charts - Clear Coated	150 x 100mm	1000
T01-700289	Opacity Charts 2A - Clear Coated	250 x 140mm	500
T01-700290	Opacity Charts - Clear Coated	289 x 194mm	500
T01-700743	Opacity Charts 3B - Clear Coated	289 x 194mm	500

Sag and Levelling Test Charts



Ref: T01-700147 [Click to view online](#)

These Sag and Levelling Test Charts are specially designed for use with our sag testers and levelling testers. The extra-large black area allows measurements to be made over the black area only, in accordance with specifications that specify to ignore the leading and trailing edges of the drawdown.

ISO 9227 Test Panels



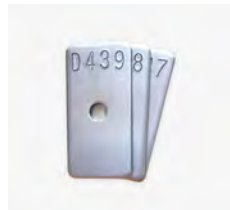
Ref: ACC131 [Click to view online](#)

CR4 Grade Steel Corrosion test coupons in accordance with ISO 9227 & VDA 233-102. Ascott CR4 Steel Test panels are used to check the reproducibility and repeatability of the test results for Salt Spray or Cyclic Corrosion Test Chambers, before being used to run ISO 9227 or VDA 233-102.

- Supplied with a certificate of conformity and a UKAS Test Certificate
- Material Type: Cold Rolled Steel CR4
- Size: 70mm x 150mm (+/- 0.2mm)
- Thickness: 1mm (+/- 0.2mm)
- Pack Quantity: 20

 Test Standards:	• ISO 9227
	• VDA 233-102

Test Panel for GMW14872 & GM9540P (Mass Loss Coupon)



Ref: PANE001 [Click to view online](#)

Test Panel for GMW14872 & GM9540P (Mass Loss Coupon).

- Material Type: Cold Rolled Steel (ASTM 1008/1010)
- Size: 1" x 2"
- Thickness: 0.125"
- Numeric ID
- Pack of 20
- With 1/4" mill oil centre hole

 Test Standards:	• GMW14872
	• GM9540P

THICKNESS

The thickness of a coating has a significant effect on performance, too thick a layer, or layers can result in wastage and cracking and too little may leave the substrate exposed. We have a variety of equipment for both wet and dry film thickness measurement along with material thickness gauges and accessories for calibration to ensure reliable, accurate results.

Calibration Foils



Ref: T01-53065-72 [Click to view online](#)

Calibration Foils for calibrating Coating Thickness Meters.

- Foil accuracy :±2%
- Each individual Calibration Foil is measured in the centre and the value is printed on the attached label
- Special Range Calibration Foils can be supplied, made up of any 8 values as listed: 12µm, 25µm, 50µm, 75µm, 100µm, 125µm, 150µm, 175µm, 190µm, 200µm, 225µm, 250µm, 275µm, 300µm, 350µm, 375µm, 500µm, 625µm, 750µm, 1000µm, 1250µm, 1500µm, 2000µm, 3000µm. (Values shown are nominal values.) Please contact us with your requirements.

Options

Model	Description	Thicknesses
T01-53065	Calibration Foils - 0-1000µm	0-1000µm (25, 50, 75, 125, 175, 250, 500, 750µm)
T01-53066	Calibration Foils - 0-40mils	0-40 mils (1, 2, 3, 5, 7, 10, 20, 30 mils)
T01-53067	Calibration Foils - 0-2000µm	0-2000µm (50, 250, 500, 750, 1000, 1250, 1500, 2000µm)
T01-53068	Calibration Foils - 0-80mils	0-80 mils (2, 10, 20, 30, 40, 50, 60, 80 mils)
T01-53069	Calibration Foils - 0-5.00mm	0-5.00mm (50, 250, 500, 750, 1000, 1500, 2000, 3000µm)
T01-53070	Calibration Foils - 0-200mils	0-200 mils (2, 10, 20, 30, 40, 60, 80, 120 mils)
T01-53071	Calibration Foils - 1-800mils	0-20.00mm (5, 9.5, 15mm)
T01-53072	Calibration Foils - 1-800mils	1-800 mils (200, 360, 600 mils)

DeFelsko Certified Polystyrene Blocks



Ref: T01-51081-8 [Click to view online](#)

Certified Polystyrene Blocks for use with gauges that measure over 1500 µm (60 mils).

- Accuracy: ± (2.5 µm + 0.05% of thickness) ± (0.1 mil + 0.05% of thickness)
- Used to verify the accuracy and operation of any Type 1 (mechanical) and Type 2 (electronic) magnetic, eddy-current or ultrasonic coating thickness gage
- Ideal for use in the calibration lab, in the field or on the factory floor
- Individually serialized for traceability to NIST or PTB - includes a Certificate of Calibration
- Certified and labeled in both Metric and Imperial units

Options

Model	Type	Approximate Thickness			
		Block 1	Block 2	Block 3	Block 4
T01-51081	P1	375µm, 15 mils	2mm, 80 mils	4.5mm, 185 mils	6.5mm, 205 mils
T01-51082	P2	2.5mm, 100 mils	6.5mm, 250 mils	13mm, 500 mils	19mm, 750 mils
T01-51083	P3	375µm, 15 mils	1.5mm, 60 mils	2.5mm, 100 mils	6.5mm, 250 mils
T01-51084	P4	1.5mm, 60 mils	2.5mm, 100 mils	4.5mm, 185 mils	12mm, 480 mils
T01-51085	P5	1.5mm, 60 mils	2.5mm, 100 mils	6.5mm, 250 mils	3mm, 125 mils
T01-51086	P6	375µm, 15 mils	1.5mm, 60 mils	2.5mm, 100 mils	9.5mm, 375 mils
T01-51087	P7	1.5mm, 60 mils	4.5mm, 185 mils	6.5mm, 250 mils	3mm, 125 mils
T01-51088	P8	13mm, 500 mils	13mm, 500 mils	13mm, 500 mils	19.5mm, 750 mils

DeFelsko Gauge Calibration Plates

Ref: T01-20485-90; T01-51075-80 [Click to view online](#)

Certified coated metal plates are ideal for verifying the accuracy and operation of coating thickness gages and are an important component in fulfilling both ISO and in-house quality control requirements. Standards with steel or aluminum substrates consist of 4 plates mounted in a protective binder.

• Units: Metric and Imperial, Accuracy: $\pm 0.43 \mu\text{m} \pm 0.017 \text{ mil}$

Options

Model	Description	Coating/ Substrate	Thicknesses	Accuracy
T01-20485	Set of Coated Ferrous Plates (S4)	Epoxy on Steel (Ferrous)	0, 75 μm 3 mils, 1000 μm 40 mils, 1900 μm 75 mils	$\pm 0.43 \mu\text{m} \pm 0.017 \text{ mil}$
T01-51078	Set of Coated Non Ferrous Plates (A1)	Epoxy on Aluminum (Non-Ferrous)	0, 75 μm 3 mils, 250 μm 10 mils, 1500 μm 60 mils	$\pm 0.43 \mu\text{m} \pm 0.017 \text{ mil}$
T01-51079	Set of Coated Non Ferrous Plates (A2)	Epoxy on Aluminum (Non-Ferrous)	0, 75 μm 3 mils, 250 μm 10 mils, 500 μm 20 mils	$\pm 0.43 \mu\text{m} \pm 0.017 \text{ mil}$
T01-51080	Set of Coated Non Ferrous Plates (A3)	Epoxy on Aluminum (Non-Ferrous)	75 μm 3 mils, 125 μm 5 mils, 250 μm 10 mils, 500 μm 20 mils	$\pm 0.43 \mu\text{m} \pm 0.017 \text{ mil}$
T01-51077	Set of Coated Ferrous Plates (S3)	Epoxy on Steel (Ferrous)	0, 15 μm 0.6 mils, 40 μm 1.6 mils, 100 μm 4 mils	$\pm 0.43 \mu\text{m} \pm 0.017 \text{ mil}$
T01-51076	Set of Coated Ferrous Plates (S2)	Epoxy on Steel (Ferrous)	0, 75 μm 3 mils, 250 μm 10 mils, 1000 μm 40 mils	$\pm 0.43 \mu\text{m} \pm 0.017 \text{ mil}$
T01-51075	Set of Coated Ferrous Plates (S1)	Epoxy on Steel (Ferrous)	0, 75 μm 3 mils, 250 μm 10 mils, 1500 μm 60 mils	$\pm 0.43 \mu\text{m} \pm 0.017 \text{ mil}$

Model	Description	Material	Plate Size
T01-20486	Zero Plates - Small Steel	Steel	Diameter: 38mm (1.5")
T01-20487	Zero Plates - Small Aluminium	Aluminium	Diameter: 38mm (1.5")
T01-20489	Zero Plates - Medium Aluminium	Aluminium	100mm x 100mm x 6mm (4" x 4" x 0.25")
T01-20488	Zero Plates - Medium Steel	Steel	100mm x 100mm x 6mm (4" x 4" x 0.25")
T01-20490	Zero Plates - Large Steel	Steel	180mm x 180mm x 6mm (7" x 7" x 0.25")



DeFelsko Plastic Shims

Ref: T01-51070/T01-51375 [Click to view online](#)

Certified Plastic Shims (foils) provide an economical alternative to coated metal plates. They have a reduced accuracy of $\pm 2 \mu\text{m}$ ($\pm 0.08 \text{ mil}$). A coating thickness gauge measures shim thickness when this shim is placed over a smooth metal surface (zero plate).

- Units: Metric and Imperial, Dimensions: 3 x 8cm (1 x 3 inches)
- Simulate a coating over a particular substrate material or shape. Gage performance can be conveniently verified on a regular basis as required by some international test methods
- For use with all Type 2, electronic coating thickness gages
- Protects the probe from damage or premature wear when placed over hot or abrasive surfaces
- Can be placed on top of soft or tacky coating films to obtain thickness measurements without the gage probe depressing the coating film
- Dimensions: 3 x 8cm (1 x 3 inches)

Model	Description	Quantity	Thicknesses
T01-51070	Certified Plastic Shim Set	8 pcs	Thicknesses: 25 μm (1 mil), 50 μm (2 mil), 75 μm (3 mil), 125 μm (5 mil), 250 μm (10 mil), 500 μm (20 mil), 1000 μm (40 mil), 1500 μm (60 mil)
T01-51375	Non-Certified Plastic Shim Set	5 pcs	25 μm (1 mil), 50 μm (2 mil), 125 μm (5 mil), 250 μm (10 mil), 500 μm (20 mil)



Coating Thickness Meter

Ref: T01-53050-56 [Click to view online](#)

The Coating Thickness Meter will measure all coatings on metallic substrates using the magnetic induction or eddy-current principles, ensuring the correct coating thickness has been applied.

• Units: Metric and Imperial, Accuracy: $\pm 0.43 \mu\text{m} \pm 0.017 \text{ mil}$

Options

Model	Probe(s) Included	Measurement Range
T01-53050	Ferrous	0-1000 μm
T01-53051	Ferrous	0-2000 μm ; 0-5mm
T01-53052	Ferrous	0-20.0mm
T01-53053	Non-Ferrous	0-1000 μm
T01-53054	Non-Ferrous	0-2000 μm
T01-53055	Ferrous & Non-Ferrous	0-1000 μm
T01-53056	Ferrous & Non-Ferrous	0-2000 μm ; 0-5mm

Test Standards:	• ISO 2008 • ISO19840	• ISO 2360 • ISO 1461	• ISO 2063 • ASTM D7091	• ASTM E376 • ASTM G12
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Accessories

Coating Thickness Meter PC Download Cable



Ref: T01-53057
Coating Thickness Meter PC Download Cable.

Spare Ferrous Probe 0-1000 μm (fits T01-53050 & T01-53055)



Ref: T01-53058
Ferrous Probes for use with the Coating Thickness Meter.

Spare Ferrous Probe 0-2000 μm & 0-5.00mm (fits T01-53051 & T01-53056)



Ref: T01-53059
Ferrous Probes for use with the Coating Thickness Meter.

Spare Ferrous Probe 0-20.00mm (to fit T01-53052)



Ref: T01-53060
Ferrous Probes for use with the Coating Thickness Meter.

Spare Non-Ferrous Probe 0-1000 μm (to fit T01-53053 & T01-53055)



Ref: T01-53061
Non Ferrous Probe for use with the Coating Thickness Meter.

Spare Non-Ferrous Probe 0-2000 μm (to fit T01-53054 & T01-53056)



Ref: T01-53062
Non Ferrous Probe for use with the Coating Thickness Meter.

Spare Ferrous Right Angle Probe 0-1000 μm (to fit T01-53050 & T01-53055)



Ref: T01-53063
Right Angle Ferrous Probe for use with the Coating Thickness Meter.

Spare Non-Ferrous Right Angle Probe 0-1000 μm (to fit T01-53053 & T01-53055)



Ref: T01-53064
Non Ferrous Probe for use with the Coating Thickness Meter.

DeFelsko Powder Combs



Ref: T01-20627-32 [Click to view online](#)

This simple, easy-to-use gage measures the thickness of applied dry coating powder before curing. Check Powder thickness with Powder Comb before curing to help ensure correctly cured film thickness the first time through the line. Avoid stripping and re-coating which can cause problems with adhesion and coating integrity.

- Works on a variety of part sizes, shapes and substrates such as metal, plastic, wood, glass and more
- Broad stand-offs on both sides of teeth help keep Gauge perpendicular to surface when measuring
- Precision Gauge; manufactured to a tolerance ± 5 microns or ± 0.0002 inch
- Protective leather pouch included with each Gauge

Options

Model	Description	Height			
		Tooth 1	Tooth 2	Tooth 3	Tooth 4
T01-20627	Model 1 (mils)	3	6	9	12
T01-20628	Model 2 (mils)	10	15	20	25
T01-20629	Model 3 (mils)	20	30	40	50
T01-20630	Model 4 (μm)	75	150	225	300
T01-20631	Model 5 (μm)	250	375	500	625
T01-20632	Model 6 (μm)	500	750	1000	1250

Paint Inspection Gauge (P.I.G)



Ref: T01-700009 [Click to view online](#)

Our model T01-700009 is a paint inspection gauge which is suitable for use wherever conventional electro-magnetic measuring techniques are ineffective, namely for coatings on wood, concrete, plastics and other non-metallic substrates.

- Exchangeable carbide tip with precision-ground angular cutting blade (comes with 4 cutters):
 - No.1 Cutter: Measuring range: 20-2,800 μm (Factor: 20 μm)
 - No.2 Cutter: Measuring range: 10-1,400 μm (Factor: 10 μm)
 - No.3 Cutter: Measuring range: 5-700 μm (Factor: 5 μm)
 - No.4 Cutter: Measuring range: 2-2,80 μm (Factor: 2 μm)
- Measuring microscope with a magnification of 30 and a reticle(2.8mm with 1/140 division) which is also suitable for inspection tasks
- Two-wheel design, for increased stability and uniformity of cutting
- Battery compartment for 1.5 V battery block
- Combination of LED and fibre-optic light guide for optimum specimen illumination at low current consumption
- Measuring range (standard): 2-2800 μm
- Power supply: 1 pc 1.5V battery
- Overall Size: 110 x 85 x 25mm,
- Weight: 0.5 KG

Test Standards: • ASTM D 4138
• AS 1580 Meth 408.1

PosiPen® Magnetic Pull-Off Coating Thickness Gauge



Ref: T01-53010 [Click to view online](#)

PosiPen® Magnetic Pull-Off Coating Thickness Gauge has a very small, unique magnet which can be placed with pin-point accuracy on extremely small parts, and on peaks and valleys. Ideal for measuring non-magnetic coatings such as paint, enamel, plating, and hot-dip galvanizing on steel. Comes complete with leather pouch, instructions, Long Form Certificate of Calibration traceable to PTB, and 2 year warranty.

- Can be used on small, hot or hard-to-reach surfaces
- Easy-to-Use
- Lightweight—easy to carry; just like a ball point pen
- Rugged—not affected by mechanical shock, acid, oil, water and dust
- No user adjustment required
- Highly wear resistant probe tip for long life and continuous accuracy
- Certificate of Calibration showing traceability to PTB included

Test Standards: • ASTM D7091 • ASTM B 499 • ISO 2808



PosiTest® DFT – Dry Film Thickness Gauge



Ref: T01-53005/T01-53006 [Click to view online](#)

PosiTest® DFT - Dry Film Thickness Gauge - Coating Thickness Gauge for ALL Metal Substrates. Measures coatings on metal substrates. It is the economical choice that retains the uncompromising quality of DeFelsko coating thickness and inspection instruments.

- Available in Two Models—PosiTest DFT Ferrous or PosiTest DFT Combo
- Fast repeatable measurements—60+ readings per minute
- Ready to measure—No adjustment required for most applications
- Zero or 1 Point Calibration Adjustment for complex applications
- Onscreen averaging for up to 99 readings
- Strong, wear-resistant; ruby-tipped probe
- Adjustable display brightness for optimal visibility in all environments
- Auto rotating display with rotation lock
- Simple icon based menu
- Certificate of Calibration showing traceability to PTB included

Options

- **T01-53005: PosiTest® DFT Ferrous** - Measures non-magnetic coatings on steel
- **T01-53006: PosiTest® DFT Combo** - Measures both non-magnetic coatings on steel AND non-conductive coatings on aluminum, brass, etc

Test Standards: • ISO 2178/2360/2808 • ISO 19840 • ASTM B244/B499/D7091/E376
• BS3900-C5, SSPC-PA2

Accessories

Genuine Leather Pouch with Belt Clip



T01-53007
Leather pouch for PosiTest DFT.

DeFelsko Plastic Shims



Ref: T01-51070 (8pcs)
Ref: T01-51375 (5pcs)
The economical alternative to coated metal plates.

DeFelsko Gauge Calibration Plates



Ref: T01-20485-90;
T01-51075-80
DeFelsko Gauge Calibration Plates. See website for further details.

PosiTest® PC Non-contact Uncured Powder Thickness Gauge



Ref: T01-20618

[Click to view online](#)

PosiTest® PC Non-contact Uncured Powder Thickness Gauge. Affordably measures uncured powder coatings using non-contact ultrasonic technology to predict a cured thickness. Comes complete with probe Zero Fixture, 4 AAA batteries, flat-head screwdriver, instructions, replacement probe screen, protective lens shield, USB cable, hard shell case and a two year warranty.

- Relevant Standard: ASTM D7378
- Dedicated stand-alone unit is ready to measure right out of the box
- Up to 4x faster measurement speed—ideal for moving lines and swinging parts
- No calibration adjustment required for most powders
- Storage of 999 readings with onscreen averaging. Stored readings can be downloaded to PosiSoft Desktop Software
- Scan Mode continuously takes measurements—ideal for analysing large areas

Test Standards:	• ASTM D7378
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PosiTest® Powder Inspection Kits



Ref: T01-20619-24

[Click to view online](#)

Complete solutions for measuring powder coating before and after cure. Each kit contains the new PosiTest PC, two DeFelsko Powder Combs and your choice of dry film thickness Gauge.

- Relevant Standards: ASTM D7378
- Range: 20 - 100 µm (0.8 - 4.0 mils)
- Resolution: 1 µm (0.1 mil)
- Accuracy: ±5 µm (± 0.2 mil)
- Measurement Time: 1 - 3 seconds
- Measurement Distance to Powder: 19mm (0.75 inch)
- Measurement Area: 2mm (0.8 inch)
- Size: 241 x 64 x 51mm (9.5" x 2.5" x 2.0")
- Weight: 180g (6.4 oz) without batteries

Options

Model	Description	Coating Thickness Gauge	Powder Combs
T01-20619	Powder Inspection Kit DFT F	PosiTest DFT Ferrous Gage	Models 1 & 4
T01-20620	Powder Inspection Kit DFT C	PosiTest DFT Combo Gage	Models 1 & 4
T01-20621	Powder Inspection Kit 6000 FS1	PosiTector 6000 FS1 Standard (Ferrous only)	Models 1 & 4
T01-20622	Powder Inspection Kit 6000 FS3	PosiTector 6000 FS3 Advanced (Ferrous only)	Models 1 & 4
T01-20623	Powder Inspection Kit 6000 FNS1	PosiTector 6000 FNS1 Standard (Ferrous & non-ferrous)	Models 1 & 4
T01-20624	Powder Inspection Kit 6000 FNS3	PosiTector 6000 FNS3 Advanced (Ferrous & non-ferrous)	Models 1 & 4

Test Standards:	• ASTM D7378
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PosiTest® Magnetic Coating Thickness Gauges



Ref: T01-53025-28

[Click to view online](#)

PosiTest magnetic pull-off thickness Gauge (banana gauge) for the non-destructive measurement of non-magnetic coatings (paint, enamel, galvanizing, metalizing, plating, etc.) on steel.

- Highly wear resistant Carbide Probe for longest life and continuous accuracy
- Extra rugged housing, not affected by mechanical shock, water, acid or solvents
- Unique overall design, fully supported, positive positioning, no pivoting tendencies during measurement
- Positive visual and audible indicators to designate when thickness reading is established
- "V" grooves in probe housing and Gauge base allow correct positioning on cylindrical objects
- Certificate of Calibration showing traceability to PTB included

Options

Model	Description	Scale	Tolerance	Applications
T01-53025	PosiTest FM	0-80 mils	± 0.2 mils up to 4 mils ±5% of the reading over 4 mils	Hot dip galvanizing, hard chrome metalizing, paint, enamel, plastic coatings on steel
T01-53026	PosiTest F	0-2000µm	±5µm up to 100µm ±5% of the reading over 100µm	Hot dip galvanizing, hard chrome metalizing, paint, enamel, plastic coatings on steel
T01-53027	PosiTest GM	0-8 mils	±0.04 mils up to 0.8 mils ±5% of the reading over 0.8 mils	Electroplating, thin paint films, phosphating on steel
T01-53028	PosiTest G	0-200µm	±1µm up to 20µm ±5% of the reading over 20µm	Electroplating, thin paint films, phosphating on steel

Test Standards:	• ASTM D7091/B499 • ISO 2808
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Precise Dry Film Thickness Gauge



Ref: T01-53120-23

[Click to view online](#)

Using magnetic induction or Eddy current, this electronic gauge offers precision thickness measurement of non magnetic coatings such as paints, zinc etc. on steel (F: ferrous probe) , and insulating materials on non-ferrous substrates (NF: non-ferrous).

- Min. measuring area: 6mm²
- Min. sample thickness: 0.3mm
- Metric/ imperial: Convertible
- Power supply: 4 x 1.5V AA Battery
- Battery indicator: Low battery indicator
- Operating conditions: 0-40°C 10-90%RH
- Dimensions: 126 x 65 x 27mm Weight:81g
- All models come with Carry Case, User Manual, Calibration Foil Set and F/NF calibration base sets as appropriate

Options

- T01-53120: Precise Dry Film Thickness Gauge – F Inbuilt Probe
- T01-53121: Precise Dry Film Thickness Gauge – F&NF Inbuilt Probe
- T01-53122: Precise Dry Film Thickness Gauge – F Separate Probe
- T01-53123: Precise Dry Film Thickness Gauge – F&NF Separate Probe

Thickness Gauge



Analogue Gauge

Digital Gauge

Ref: T01-53100-3

[Click to view online](#)

These simple and effective gauges are used to test the thickness of leather, paper, film, wire and similar products. Choose from Analogue or Digital models. They are easy to use, convenient and highly efficient.

- Test Range: 0-10mm (all models)

Options

- **T01-53100:** Analogue Thickness Gauge – Resolution 0.01mm
- **T01-53101:** Analogue Thickness Gauge – Resolution 0.001mm
- **T01-53102:** Digital Thickness Gauge – Resolution 0.01mm
- **T01-53103:** Digital Thickness Gauge – Resolution 0.001mm

Perme Cup



Ref: T01-30700/T01-30701

[Click to view online](#)

Perme cups are used to determine the permeability of films to the vapor of water and other liquids. Materials that are tested include paint, varnish, thin plastic films and other types of sheets thin enough to be tightly sealed in place across the face of the cup.

Options

- **T01-30700:** Perme Cup - 10cm²
- **T01-30701:** Perme Cup - 25cm²

Test Standards: • ASTM D1653

PosiTector® 200 Coating Thickness Gauges - B Gauge



Ref: T01-51355/T01-51360/T01-51361

[Click to view online](#)

Coating Thickness Gages for Non-Metal Substrates. Non-destructively measures a wide variety of applications using proven ultrasound technology. Measure coating thickness over wood, concrete, plastic, and more. Advanced models measure up to 3 layers with graphics.

- Ready to measure—no calibration adjustment required for most applications
- NEW Larger 2.8" impact resistant color touchscreen with redesigned keypad for quick menu navigation
- NEW Weatherproof, dustproof, and water-resistant—IP65-rated enclosure
- PosiTector interchangeable platform—attach any PosiTector probe to a single gage body
- USB, WiFi, and Bluetooth connectivity to PosiSoft PC, Mac, and Smartphone software
- Certificate of Calibration showing traceability to NIST or PTB included (Long Form)

Options

- **T01-51355:** PosiTector® 200 - B Gauge Standard
- **T01-51360:** PosiTector® 200 - B Gauge Advanced
- **T01-51361:** PosiTector® 200 - B Gauge Probe Only

Test Standards: • ASTM D6132 • ISO 2808

PosiTector® 200 Coating Thickness Gauges - C Gauge



Ref: T01-51365/T01-51370/T01-51371

[Click to view online](#)

PosiTector® 200 Coating Thickness Gauges for Non-Metal Substrates. Non-destructively measures a wide variety of applications using proven ultrasound technology. Measure coating thickness over wood, concrete, plastic, and more. 200 C probe measures coating thickness over concrete, fibreglass and other non-metal substrates using ultrasonic technology.

- Ready to measure—no calibration adjustment required for most applications
- Large 2.8" impact resistant colour touchscreen with redesigned keypad for quick menu navigation
- Weatherproof, dustproof, and water-resistant—IP65-rated enclosure
- PosiTector interchangeable platform—attach any PosiTector probe to a single Gauge body
- USB, Wi-Fi and Bluetooth connectivity to PosiSoft PC, Mac and Smartphone software
- Certificate of Calibration showing traceability to NIST or PTB included

Options

- **T01-51365:** PosiTector® 200 - C Gauge Standard
- **T01-51370:** PosiTector® 200 - C Gauge Advanced
- **T01-51371:** PosiTector® 200 - C Gauge Probe Only

Test Standards: • ASTM D6132 • ISO 2808

PosiTector® 200 Coating Thickness Gauges - D Gauge



Ref: T01-20615/T01-20616/T01-20617

[Click to view online](#)

PosiTector® 200 Coating Thickness Gauges for Non-Metal Substrates. Non-destructively measures a wide variety of applications using proven ultrasound technology. 200 D probe measures coating thickness over concrete, fibreglass, and other non-metal substrates using ultrasonic technology.

- Ready to measure—no calibration adjustment required for most applications
- Large 2.8" impact resistant color touchscreen with redesigned keypad for quick menu navigation
- Weatherproof, dustproof, and water-resistant—IP65-rated enclosure
- PosiTector interchangeable platform—attach any PosiTector probe to a single Gauge body
- USB, Wi-Fi and Bluetooth connectivity to PosiSoft PC, Mac and Smartphone software
- Certificate of Calibration showing traceability to NIST or PTB included

Options

- **T01-20615:** PosiTector® 200 - D Gauge Standard
- **T01-20616:** PosiTector® 200 - D Gauge Advanced
- **T01-20617:** PosiTector® 200 - D Gauge Probe Only

Test Standards: • ASTM D6132 • ISO 2808

Accessories



4 oz Ultrasonic Gel (pack2)/(pack12) Ref: T01-20633/T01-20465

Every PosiTector 200 and PosiTector UTG ships with (1) bottle of Ultrasonic couplant. Additional 4oz. bottles are available.

DeFelsko Accessories

Bluetooth Printer (Advanced Models)



T01-20466
Bluetooth Printer receives data from Advanced models.

Printer Paper (10 Rolls)



Ref: T01-20467
For use with the Bluetooth Printer (10 rolls).

Belt Clip



Ref: T01-20469
Belt Clip for PosiTector gauge bodies.

Probe Foot Ring



T01-20470
Probe Foot Rings are ideal for use on thin, soft coatings.

Protective Lens Shield (Pack 5)



Ref: T01-20471
Ideal for protecting the PosiTector display from paint overspray.

AC Power Kit



Ref: T01-20472
This kit supplies several alternate power solutions for your battery-operated PosiTector.

PosiTector® 6000 Coating Thickness Gauges



Ref: See below

[Click to view online](#)

Coating Thickness Gauges for all metal substrates. Rugged, fully electronic coating thickness gauges use magnetic and eddy current principles to measure coating thickness on both ferrous and non-ferrous metals, accurately and quickly.

- Ready to measure—no calibration adjustment required for most applications
- Large 2.8" impact resistant colour touchscreen with redesigned keypad for quick menu navigation
- Weatherproof, dustproof, and water-resistant—IP65-rated enclosure
- Wear resistant ruby probe tip for long-lasting calibration
- PosiTector interchangeable platform—attach any PosiTector probe to a single Gauge body
- USB, Wi-Fi and Bluetooth connectivity to PosiSoft PC, Mac and Smartphone software
- Certificate of Calibration showing traceability to NIST or PTB included

Options

Model	Description	Measuring Range	Probe Type
Ferrous			
T01-50900	Ferrous Standard (F)	0-1500µm (0-60 mils)	Integral
T01-51150	Ferrous Advanced (F)	0-1500µm (0-60 mils)	Integral
T01-20597	Ferrous Probe Only (F)	0-1500µm (0-60 mils)	Integral
T01-50905	Ferrous Standard (FS)	0-1500µm (0-60 mils)	Cabled
T01-51155	Ferrous Advanced (FS)	0-1500µm (0-60 mils)	Cabled
T01-51260	Ferrous Probe Only (FS)	0-1500µm (0-60 mils)	Cabled
T01-50910	Ferrous Standard (FRS)	0-1500µm (0-60 mils)	90° Cabled
T01-51160	Ferrous Advanced (FRS)	0-1500µm (0-60 mils)	90° Cabled
T01-51265	Ferrous Probe Only (FRS)	0-1500µm (0-60 mils)	90° Cabled
T01-20579	Ferrous Standard (FXS)	0-2000µm (0-80 mils)	Cabled
T01-20580	Ferrous Advanced (FXS)	0-2000µm (0-80 mils)	Cabled
T01-20581	Ferrous Probe Only (FXS)	0-2000µm (0-80 mils)	Cabled
T01-50915	Ferrous Standard (F0S)	0-1150µm (0-45 mils)	Cabled Microprobe
T01-51165	Ferrous Advanced (F0S)	0-1150µm (0-45 mils)	Cabled Microprobe
T01-20598	Ferrous Probe Only (F0S)	0-1150µm (0-45 mils)	Cabled Microprobe
T01-50920	Ferrous Standard (F45S)	0-1150µm (0-45 mils)	Cabled 45°Microprobe
T01-51170	Ferrous Advanced (F45S)	0-1150µm (0-45 mils)	Cabled 45°Microprobe
T01-20599	Ferrous Probe Only (F45S)	0-1150µm (0-45 mils)	Cabled 45°Microprobe

	Test Standards:
<ul style="list-style-type: none">• ISO 2178/2360/2808• ISO 19840• ASTM B244/B499/D1186/D1400/D7091/E376/G12• BS3900-C5• SSPC-PA2• US Navy NAVSEA PPI 63101-000• US Navy NAVSEA 009-32• AS 2331.14• AS3894.3-B	



Model	Description	Measuring Range	Probe Type
Ferrous			
T01-50925	Ferrous Standard (F90S)	0-1150µm (0-45 mils)	Cabled 90°Microprobe
T01-51175	Ferrous Advanced (F90S)	0-1150µm (0-45 mils)	Cabled 90°Microprobe
T01-20600	Ferrous Probe Only (F90S)	0-1150µm (0-45 mils)	Cabled 90°Microprobe
T01-20582	Ferrous Standard (F90ES)	0-1150µm (0-45 mils)	Cabled 90° Extended (35cm) Microprobe
T01-20583	Ferrous Advanced (F90ES)	0-1150µm (0-45 mils)	Cabled 90° Extended (35cm) Microprobe
T01-20584	Ferrous Probe Only (F90ES)	0-1150µm (0-45 mils)	Cabled 90° Extended (35cm) Microprobe
T01-50930	Ferrous Standard (FT)	0-6mm (0-250 mils)	Integral
T01-51180	Ferrous Advanced (FT)	0-6mm (0-250 mils)	Integral
T01-20601	Ferrous Probe Only (FT)	0-6mm (0-250 mils)	Integral
T01-50935	Ferrous Standard (FTS)	0-6mm (0-250 mils)	Cabled
T01-51185	Ferrous Advanced (FTS)	0-6mm (0-250 mils)	Cabled
T01-51285	Ferrous Probe Only (FTS)	0-6mm (0-250 mils)	Cabled
T01-20585	Ferrous Standard (FTRS)	0-6mm (0-250 mils)	90° Cabled
T01-20586	Ferrous Advanced (FTRS)	0-6mm (0-250 mils)	90° Cabled
T01-20587	Ferrous Probe Only (FTRS)	0-6mm (0-250 mils)	90° Cabled
T01-20588	Ferrous Standard (FHXS)	0-10,000µm (0-400 mils)	Cabled (Braided)
T01-20589	Ferrous Advanced (FHXS)	0-10,000µm (0-400 mils)	Cabled (Braided)
T01-20590	Ferrous Probe Only (FHXS)	0-10,000µm (0-400 mils)	Cabled (Braided)
T01-51290	Ferrous Standard (FKS)	0-13mm (0-500 mils)	High Range Cabled
T01-51300	Ferrous Advanced (FKS)	0-13mm (0-500 mils)	High Range Cabled
T01-20602	Ferrous Probe Only (FKS)	0-13mm (0-500 mils)	High Range Cabled
T01-20591	Ferrous Standard (FJS)	0-25mm (0-10 inch)	High Range Cabled
T01-20592	Ferrous Advanced (FJS)	0-25mm (0-10 inch)	High Range Cabled
T01-20593	Ferrous Probe Only (FJS)	0-25mm (0-10 inch)	High Range Cabled
T01-20594	Ferrous Standard (FLS)	0-38mm (0-15 inch)	Cabled (Braided)
T01-20595	Ferrous Advanced (FLS)	0-38mm (0-15 inch)	Cabled (Braided)
T01-20596	Ferrous Probe Only (FLS)	0-38mm (0-15 inch)	Cabled (Braided)

Model	Description	Measuring Range	Probe Type
Non-Ferrous			
T01-50940	Non-Ferrous Standard (N)	0-1500µm (0-60 mils)	Integral
T01-50941	Non-Ferrous Advanced (N)	0-1500µm (0-60 mils)	Integral
T01-20606	Non-Ferrous Probe Only (N)	0-1500µm (0-60 mils)	Integral
T01-50945	Non-Ferrous Standard (NS)	0-1500µm (0-60 mils)	Cabled
T01-51190	Non-Ferrous Advanced (NS)	0-1500µm (0-60 mils)	Cabled
T01-51310	Non-Ferrous Probe Only (NS)	0-1500µm (0-60 mils)	Cabled
T01-50950	Non-Ferrous Standard (NRS)	0-1500µm (0-60 mils)	Cabled
T01-51195	Non-Ferrous Advanced (NRS)	0-1500µm (0-60 mils)	Cabled
T01-51315	Non-Ferrous Probe Only (NRS)	0-1500µm (0-60 mils)	Cabled
T01-20603	Non-Ferrous Standard (NAS)	0-625µm (0-25 mils)	Cabled
T01-20604	Non-Ferrous Advanced (NAS)	0-625µm (0-25 mils)	Cabled
T01-20605	Non-Ferrous Probe Only (NAS)	0-625µm (0-25 mils)	Cabled
T01-50960	Non-Ferrous Standard (N0S)	0-625µm (0-25 mils)	Cabled Microprobe
T01-51205	Non-Ferrous Advanced (N0S)	0-625µm (0-25 mils)	Cabled Microprobe
T01-51320	Non-Ferrous Probe Only (N0S)	0-625µm (0-25 mils)	Cabled Microprobe
T01-50965	Non-Ferrous Standard (N45S)	0-625µm (0-25 mils)	Cabled 45° Microprobe
T01-51210	Non-Ferrous Advanced (N45S)	0-625µm (0-25 mils)	Cabled 45° Microprobe
T01-51325	Non-Ferrous Probe Only (N45S)	0-625µm (0-25 mils)	Cabled 45° Microprobe
T01-50970	Non-Ferrous Standard (N90S)	0-625µm (0-25 mils)	Cabled 90° Microprobe
T01-51215	Non-Ferrous Advanced (N90S)	0-625µm (0-25 mils)	Cabled 90° Microprobe
T01-51330	Non-Ferrous Probe Only (N90S)	0-625µm (0-25 mils)	Cabled 90° Microprobe
T01-51240	Non-Ferrous Standard (NKS)	0-13mm (0-500 mils)	High-Range Cabled
T01-51250	Non-Ferrous Advanced (NKS)	0-13mm (0-500 mils)	High-Range Cabled
T01-51255	Non-Ferrous Probe Only (NKS)	0-13mm (0-500 mils)	High-Range Cabled



Model	Description	Measuring Range	Probe Type
All Metals			
T01-50975	All Metals Standard (FN)	0-1500µm (0-60 mils)	Integral
T01-51220	All Metals Advanced (FN)	0-1500µm (0-60 mils)	Integral
T01-20607	All Metals Probe Only (FN)	0-1500µm (0-60 mils)	Integral
T01-50980	All Metals Standard (FNS)	0-1500µm (0-60 mils)	Cabled
T01-51225	All Metals Advanced (FNS)	0-1500µm (0-60 mils)	Cabled
T01-51335	All Metals Probe Only (FNS)	0-1500µm (0-60 mils)	Cabled
T01-50985	All Metals Standard (FNRS)	0-1500µm (0-60 mils)	Right Angled Cabled
T01-51230	All Metals Advanced (FNRS)	0-1500µm (0-60 mils)	Right Angled Cabled
T01-51340	All Metals Probe Only (FNRS)	0-1500µm (0-60 mils)	Right Angled Cabled
T01-20608	All Metals Standard (FNDS)	0-1500µm (0-60 mils)	Regular Cabled (Duplex)
T01-20609	All Metals Advanced (FNDS)	0-1500µm (0-60 mils)	Regular Cabled (Duplex)
T01-20610	All Metals Probe Only (FNDS)	0-1500µm (0-60 mils)	Regular Cabled (Duplex)
T01-50990	All Metals Standard (FNTS)	0-6mm (0-250 mils)	High Range Cabled
T01-51235	All Metals Advanced (FNTS)	0-6mm (0-250 mils)	High Range Cabled
T01-51345	All Metals Probe Only (FNTS)	0-6mm (0-250 mils)	High Range Cabled
T01-20611	All Metals Standard (FNCS)	0-63.5mm (0-2.5 inches)	High Range Cabled (Braided)
T01-20612	All Metals Advanced (FNCS)	0-63.5mm (0-2.5 inches)	High Range Cabled (Braided)
T01-20613	All Metals Probe Only (FNCS)	0-63.5mm (0-2.5 inches)	High Range Cabled (Braided)

Accessories



PosiTector® 6000 Series: Telescopic Probe Extender

Ref: T01-00026

Use With: FS; NS; FNS; FXS; FNDS; NAS and FTS probes.
Length: 47cm (18.5") collapsed; up to 124cm (49") extended.
Headroom: 10cm (3.3"), Weight: 370g (13oz).

PosiTector® UTG Ultrasonic Thickness Gauge - C Series



Ref: T01-53020-2; T01-20452-7

[Click to view online](#)

Corrosion probes measure the wall thickness of materials such as steel, plastic, and more. Ultrasonic Thickness Gauges are ideal for measuring the effects of corrosion or erosion on tanks, pipes, or any structure where access is limited to one side.

- Precision ultrasonic transducers provide fast accurate readings
- Measuring Range: 0.040" to 5.000" 1.00mm to 125.00mm, Accuracy: ± 0.001" ±0.03mm
- Thru-Paint Capability: No
- Probe Type: 5 MHz Dual Element
- Large 2.8" impact resistant colour touchscreen with redesigned keypad
- Weatherproof dustproof and water-resistant—IP65-rated enclosure
- Pre-programmed velocities—Simply select from a list of common materials or enter your own
- Min Scan mode—take continuous readings and record min/max thicknesses
- PosiTector interchangeable platform—attach any PosiTector probe to a single Gauge body
- USB Wi-Fi and Bluetooth connectivity to PosiSoft PC Mac and Smartphone software

Options

- T01-53020: Corrosion Integral Probe - Standard
- T01-53021: Corrosion Integral Probe - Advanced
- T01-53022: Corrosion Integral Probe - Probe Only
- T01-20452: Corrosion Cabled Probe - Standard
- T01-20453: Corrosion Cabled Probe - Advanced
- T01-20454: Corrosion Cabled Probe - Probe Only
- T01-20455: Xtreme Corrosion Probe - Standard
- T01-20456: Xtreme Corrosion Probe - Advanced
- T01-20457: Xtreme Corrosion Probe - Probe Only

Test Standards: - ASTM E797

PosiTector® UTG Ultrasonic Thickness Gauge - M Series



Ref: T01-53023/T01-53024/T01-53030

[Click to view online](#)

Ultrasonic Thickness Tester features Thru-Paint capability to quickly and accurately measure the metal thickness of a painted structure without having to remove the coating. Also ideal for measuring blasted materials and other applications requiring a more durable wear face.

- Precision ultrasonic transducers provide fast accurate readings
- Single Echo Measuring Range: 0.100" to 5.000" 2.50 to 125.00mm
- Multiple Echo Measuring Range: 0.100" to 2.500" 2.50 to 60.00mm
- Accuracy: ± 0.001" ±0.03mm
- Thru-Paint Capability: Yes
- Probe Type: 5 MHz Contact
- Large 2.8" impact resistant colour touchscreen with redesigned keypad
- Weatherproof dustproof and water-resistant—IP65-rated enclosure
- Pre-programmed velocities—Simply select from a list of common materials or enter your own
- Min Scan mode—take continuous readings and record min/max thicknesses
- PosiTector interchangeable platform—attach any PosiTector probe to a single Gauge body
- USB Wi-Fi and Bluetooth connectivity to PosiSoft PC Mac and Smartphone software

Options

- T01-53023: Multiple Echo Probe - Standard
- T01-53024: Multiple Echo Probe - Advanced
- T01-53030: Multiple Echo Probe - Probe Only

Test Standards: - ASTM E797

PosiTector® UTG Ultrasonic Thickness Gauge - P Series



Ref: T01-20461/T01-20462/T01-20463

[Click to view online](#)

Precision Ultrasonic Thickness Meters are designed for high resolution measurements and thin materials including metals and plastics. Automatic Multi-Echo mode ensures the best accuracy on thin metals.

- Precision ultrasonic transducers provide fast accurate readings
- Steel Measuring Range: 0.008" to 0.475" 0.2 to 12.0mm
- Plastic Measuring Range: 0.005" to 0.175" 0.125 to 4.500mm
- Accuracy: ± 0.0004" ±0.01mm
- Thru-Paint Capability: Yes
- Probe Type: 15 MHz Single Element Delay Line
- Large 2.8" impact resistant colour touchscreen with redesigned keypad
- Weatherproof dustproof and water-resistant—IP65-rated enclosure
- Pre-programmed velocities—Simply select from a list of common materials or enter your own
- Min Scan mode—take continuous readings and record min/max thicknesses
- PosiTector interchangeable platform—attach any PosiTector probe to a single Gauge body
- USB Wi-Fi and Bluetooth connectivity to PosiSoft PC Mac and Smartphone software

Options

- T01-20461: Precision Probe - Standard
- T01-20462: Precision Probe - Advanced
- T01-20463: Precision Probe - Probe Only

Test Standards: - ASTM E797

PosiTector® UTG Ultrasonic Thickness Gauge - CLF Series



Ref: T01-20458/T01-20459/T01-20460 [Click to view online](#)

Low frequency ultrasonic thickness probes measures the wall thickness of attenuative materials such as cast/ductile iron, cast aluminum, and cast zinc.

- Precision ultrasonic transducers provide fast accurate readings
- Measuring Range: 0.080" to 5.000" 2.00 to 125.00mm
- Accuracy: ± 0.001" ±0.03mm
- Thru-Paint Capability: No
- Probe Type: 2.25 MHz Dual Element
- Large 2.8" impact resistant colour touchscreen with redesigned keypad
- Weatherproof dustproof and water-resistant—IP65-rated enclosure
- Pre-programmed velocities—Simply select from a list of common materials or enter your own
- Min Scan mode—take continuous readings and record min/max thicknesses
- PosiTector interchangeable platform—attach any PosiTector probe to a single Gauge body
- USB Wi-Fi and Bluetooth connectivity to PosiSoft PC Mac and Smartphone software

Options

- T01-20458: Low Frequency Probe - Standard
- T01-20459: Low Frequency Probe - Advanced
- T01-20460: Low Frequency Probe - Probe Only

Test Standards: • ASTM E797

Accessories

Certified Step Block (Imperial) for use with PosiTector UTG C, CA, CLF, CX, and M probes



Ref: T01-53031
Ideal for checking calibration and operation of ultrasonic thickness gauges.

Certified Step Block (Metric) for use with PosiTector UTG C, CA, CLF, CX, and M probes



Ref: T01-53032
Ideal for checking calibration and operation of ultrasonic thickness gauges.

4 oz Ultrasonic Gel (Pack 2)/(Pack 12)



Ref: T01-20633/T01-20465
Every PosiTector 200 and PosiTector UTG ships with (1) bottle of Ultrasonic couplant.

Replacement Transducer (For Precision Probe)



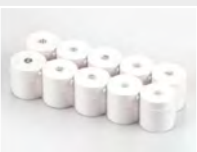
Ref: T01-20634
Replacement transducer for UTG P Series.

Bluetooth Printer (Advanced Models)



T01-20466
Bluetooth Printer receives data from Advanced models.

Printer Paper (10 Rolls)



Ref: T01-20467
For use with the Bluetooth Printer (10 rolls).

Belt Clip



Ref: T01-20469
Belt Clip for PosiTector gauge bodies.

Probe Foot Ring



T01-20470
Probe Foot Rings are ideal for use on thin, soft coatings.

Protective Lens Shield (Pack 5)



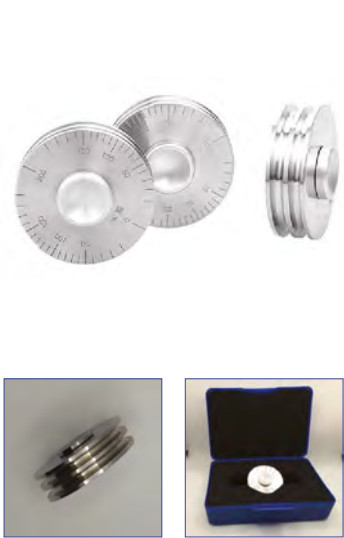
Ref: T01-20471
Ideal for protecting the PosiTector display from paint overspray.

AC Power Kit



Ref: T01-20472
This kit supplies several alternate power solutions for your battery-operated PosiTector.

Rolling Wheel Wet Film Thickness Gauges



Ref: T01-700006-8/700013 [Click to view online](#)

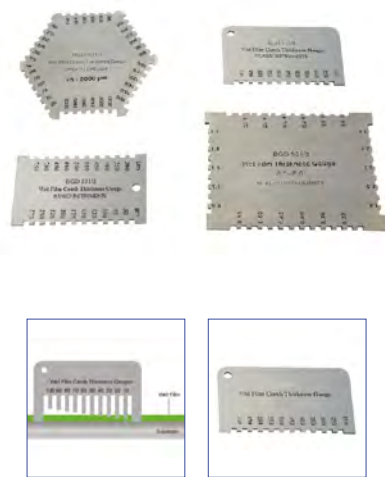
The Rolling Wheel Wet Film Thickness Gauge has long been the standard for measuring wet film thickness in the coatings industry. The gauge consists of an eccentric inner wheel, supported by two large outer concentric wheels. At a specific point, the inner wheel touches and picks up wet film when the gauge is rolled on the coated surface. The critical clearance may be read on a rotating scale.

- Dimensions: 50x15 (H)mm @2mm path
- Weight: approx. 177g
- Material: Stainless Steel

Options

- T01-700006: 0–100µm (@5µm)
- T01-700007: 0–200µm (@10µm)
- T01-700008: 0–500µm (@25µm)
- T01-700013: 0–1000µm (@50µm)

Wet Film Comb Thickness Gauges



Ref: T01-699999-700005 [Click to view online](#)

Our Wet Film Thickness Gauges are made of a comb-shaped design with precision cut gaps to determine the coating thickness by placing vertically onto a wet coated substrate. Corrosion-resistant stainless steel with a hole at the top corner to allow a hook to be attached. All Wet Film Thickness Gauges are precision made with less than 3-micron deviation. They come as standard with 10 gaps with inscriptions of the thickness at the side of each gap. We recommended replacing a gauge if there are chips, cracks or any unevenness at gaps in the gauge.

- Material: Stainless Steel

Options

- T01-700000: 10–100µm (@10µm)
- T01-700001: 20–200µm (@20µm)
- T01-700002: 50–750µm (@25µm/@50µm)
- T01-700005: 300–2500µm (Quadrilateral @50µm)
- T01-699999: 20–3000µm (Hexagonal @50µm)

Wet Film Gauge



Ref: T01-700014 [Click to view online](#)

Manufactured in aluminium, the Wet Film Gauge can either be kept as a record for the wet film thickness taken or cleaned in solvents and reused.

- Material: Aluminium
- Number of teeth: 30
- Teeth Values: 25; 50; 75; 100; 125; 150; 175; 200; 225; 250; 275; 300; 350; 400; 450; 500; 550; 600; 650; 700; 750; 900; 1000; 1150; 1250; 1400; 1500; 1650; 1800; 2000µm

Test Standards: • ISO 2808 • ASTM D4414

Wet Film Gauges (Plastic)



Ref: T01-700012 [Click to view online](#)

These Wet Film Gauges in Plastic ensure the quality control of the paint thickness while the coating is still wet. Supplied in quantities of 200 they give the industrial painter a quick and easy test of the wet film thickness. They can also be kept as a permanent record of the paint thickness.

- Metric values on the front side of the gauge and imperial values on the back
- Eighteen teeth with the following measurement range: 50, 65, 75, 90, 100, 125, 150, 175, 200, 250, 300, 350, 400, 500, 600, 700, 800, 900µm
- The back of the Gauge shows the following readings: 2, 2.5, 3, 3.5, 4, 5, 6, 7, 8, 10, 12, 14, 16, 20, 24, 28, 32, 36 mils
- Supplied in packs of 200 in a resealable bag

Test Standards:	• ISO 2808	• ASTM D4414
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VISCOSITY

The viscosity of a fluid or other non-solid substance is a measure of its resistance to deformation at a given rate. It is important to be able to accurately measure viscosity and to predict the behaviour of a substance under different conditions to ensure that products perform as expected. We supply both flow cups and viscometers, enabling many different types of viscosity measurement in accordance with international standards.

Viscosity Calibration Oils



Ref: T01-700336-50 [Click to view online](#)

500ml viscosity standard oils for calibration of Flow Cups and Viscometers. They are stable, hydrophobic and are damp-proof. They have good physical inertia and low surface tension, with a long shelf life.

Model	Kinetic Viscosity	Kinematic Viscosity (mm ² /s)	Flow Cup Suitability
T01-700336	5cp	5.4	ISO Flow Cup No.3
T01-700337	50cp	52.1	Zahn Cup No.1 and Ford Cup No.2
T01-700338	100cp	104.2	Zahn Cup No.2; ISO Flow Cup No.4; Ford Cup No.3 and Iwata Cup No.2 NK-2
T01-700339	200cp	208.3	ISO Flow Cup No.5; DIN Flow Cup No.4 and Ford Cup No. 4
T01-700340	500cp	520.8	ISO Flow Cup No.6 and Zahn Cups No.3 and No. 4
T01-700341	1,000cp	1,052.3	Zahn Cup No.5 and Krebs Stormer Viscometer
T01-700342	5,000cp	5,170.6	Rotary Viscometer
T01-700343	10,000cp	10,416.7	Rotary Viscometer
T01-700344	30,000cp	31,039.8	Rotary Viscometer
T01-700345	60,000cp	62,176.2	Rotary Viscometer
T01-700346	100,000cp	103,092.8	Rotary Viscometers with a range over 100,000cp
T01-700347	67.2KU	67.2KU	Krebs Stormer Viscometer
T01-700348	86.3KU	86.3KU	Krebs Stormer Viscometer
T01-700349	106.6KU	106.6KU	Krebs Stormer Viscometer
T01-700350	121.5KU	121.5KU	Krebs Stormer Viscometer

DIN Flow Cup



Test Standards: • DIN 53211

Ref: T01-700149; T01-700195-6;T01-700182/4 [Click to view online](#)

DIN Standard Viscosity Cups are produced with a removable orifice. Cup and orifice production tolerance permits replacement of the orifice with acceptable loss of tolerance in accordance with Deutsche Normen DIN 53211.

- Volume of Cup: 100ml±1ml
- Body material: anodised aluminium
- Stainless steel orifice and polished interior

Options

Model	Description	Orifice Diameter (mm)
T01-700182	DIN Cup - #2	2
T01-700195	DIN Cup - #4	4
T01-700196	Hand Held DIN Cup - #4	4
T01-700149	DIN Cup - #6	6
T01-700184	DIN Cup - #8	8

Ford Viscosity Cups



Test Standards: • DIN 53211

Ref: T01-700185-9 [Click to view online](#)

Ford Viscosity Cups for easy measurement of the viscosity of paints, inks, lacquers and other liquids. All our Ford Cups are machined from aluminium with a removable stainless steel orifice.

- Internal Diameter: 50±0.05mm
- Internal Orifice Length: 10±0.1mm
- Outer Diameter: 86±0.1mm
- Production Tolerance: ±2%

Options

Model	Description	Range(Centistokes)	Orifice Diameter (mm)
T01-700185	Ford Cup - #2	5 - 120	2.53
T01-700186	Ford Cup - #3	49 - 220	3.4
T01-700187	Ford Cup - #4	70 - 370	4.1
T01-700188	Hand Held Ford Cup - #4	70 - 370	4.1
T01-700189	Ford Cup - #5	215 - 1413	5.2

ISO Flow Cups



Test Standards: • ISO 2431 • DIN 53224 • EN 535 • ASTM D5125

Ref: T01-700197-9; 700300-1 [Click to view online](#)

ISO Flow Cups for Newtonian and near Newtonian fluids. They are made of high quality aluminium and feature stainless steel nozzle inserts (specification dependent) They are mirror polished and smooth finished for high efflux accuracy and easy maintenance.

- Material: Anodised Aluminium
- Weight: 0.5Kg

Options

Model	Description	Range(Centistokes)	Orifice Diameter (mm)
T01-700197	ISO Cup - #3	7 - 42	3
T01-700198	ISO Cup - #4	34 - 135	4
T01-700199	ISO Cup - #5	191 - 326	5
T01-700300	ISO Cup - #6	188 - 684	6
T01-700301	ISO Cup - #8	60 - 2000	8

Japanese Iwata Cup



Ref: T01-701500

[Click to view online](#)

Japanese Iwata Cup for viscosity measurement of liquids to be sprayed. It is used to test the viscosity of a liquid which is going to be used in a spray gun.

- Volume of Cup: 50ml±2ml
- Material: Nickel-plated brass
- Orifice Diameter: 3.5mm ± 0.1mm
- Cup External Diameter: 42mm ± 0.2mm
- Cup Internal Diameter: 35mm ± 0.2mm
- Suitable Test Range: 20s to 100s

Stands for Flow Cups



Ref: T01-700298-9; T01-700302-3

[Click to view online](#)

Stands for ISO, DIN and Ford Flow Cups. It is important for any flow cup to be level during viscosity testing. We offer a range of stands that can be used with our DIN, Ford and ISO flow cups.

Options

- **T01-700302: Square Stand** – For use with ISO, DIN and Ford cups
- **T01-700303: Tripod Stand** – For use with ISO, DIN and Ford cups
- **T01-700298: Stainless Steel Stand** – For use with ISO, DIN and Ford cups
- **T01-700299: Tripod Stand with Double Walled Thermo Jacket** – For use with ISO, DIN and Ford cups

Zahn Cups



Ref: T01-700190-4

[Click to view online](#)

Zahn Cups can be used to quickly measure the kinematic viscosity of liquids such as Paint, Ink, Varnishes, Syrup and Oil. They are produced according to ASTM D 816, ASTM D 1084 and ASTM D 4212. The Stainless steel cups are precision moulded and the orifices are precision drilled using high-speed CNC drilling.

- Volume of Cup: 44ml
- Length of Handle: 40±0.1mm
- Height of Cup: 58±0.1mm
- Measurement Temperature: 25°C ± 1°C

Options

Model	Description	Orifice Diameter	Zahn Range (sec)	Centistokes Range	Applications
T01-700190	Zahn Cup 1	1.98mm/0.08"	33.5-80	5-56	Very Thin Oil
T01-700191	Zahn Cup 2	2.74mm/0.11"	20-80	21-231	Thin Oil, Paint Lacquer
T01-700192	Zahn Cup 3	3.76mm/0.15"	20-75	146-848	Medium Oil, Mixed Paint
T01-700193	Zahn Cup 4	4.27mm/0.17"	20-80	222-1110	Viscous Liquid and Mixtures
T01-700194	Zahn Cup 5	8.1mm/0.31"	20-80	460-1840	Very Viscous Mixture



Test Standards:

- ASTM D 816
- ASTM D 1084
- ASTM D 4212

Advanced Krebs Stormer Viscometer



Ref: T01-700335

[Click to view online](#)

The Advanced Digital Krebs Viscometer is used widely for making viscosity measurements on paints/ coatings in accordance with ASTM D562. Digital version with constant speed motor rotating at 200 r.p.m to produce greater accuracy and repeatable test results. Displays in KU (Krebs) mPa.s (Cp) G (Grams) and °C (Temperature) simultaneously.

- Displays in KU (Krebs) mPa.s (Cp) G (Grams) and °C (Temperature) simultaneously
- Built in infrared thermometer sensor
- Large LCD display
- Supplied with an RS 232 communication port
- Self-protection function under over range
- Magnetic rotor enables rapid installing; dismantling or cleaning
- Supplied as standard with a calibration certificate

Accessories

Viscosity Calibration Oils



Ref: Various

See page 95.

Accessories for Viscometer



Ref: Various

See page 102.

Dial Reading Rotary Viscometer



Ref: T01-700570

[Click to view online](#)

Dial Rotary Viscometer, for affordable, reliable viscosity testing. Dial Rotary Viscometers are used as an affordable solution for measuring viscosity friction and absolute viscosity of liquids. They have four rotors of NO.1-4 chosen in accordance with the viscosity of the liquid and the rotational speed required.

- Dimensions (Approx.): 410 x 350 x 440mm
- Weight(Approx.): 8kg
- Power Supply: 220v/50hz
- Accuracy: ± 5% (Newtonian Fluids)
- Rotors: 4
- Rotation Speed: 6r/min; 12r/min; 30r/min and 60r/min

Accessories

See range of accessories available on pg 103

High-Temperature Intelligent Touch-screen Viscometer



Ref: T01-700323

[Click to view online](#)

This high-temperature intelligent touch-screen viscometer comes with a heating device which can heat samples to a pre-defined temperature. It can be used to test hot-melt adhesive, asphalt, paraffin and hot polymer. The temperature range is 10-250°C and the built in heater can maintain the temperature constantly with an accuracy of 0.1°C.

- Large 7 inch HD screen
- Powerful interface with intuitive menu icons
- Anti-static outer shell
- Simple operation for temperature control-sample
- ARM chip processor
- Gigabit Ethernet port
- Supports external storage: single point; continuous and timing data
- Can be calibrated by user, temperature and viscosity correction factors are password protected
- Can measure viscosity using infinitely variable rotor speed
- Convert easily between various viscosity units

Accessories

See range of accessories available on pg 103

Intelligent Touch-Screen Rotary Viscometer (Advanced)



Ref: T01-700304/T01-700305/T01-700306

[Click to view online](#)

The advanced range of Rotary Viscometers, the newest touch-screen products, with added features and benefits, including a built in temperature probe for accurate measurement. We offer 3 models of this viscometer with differing measurement ranges.

- Large 7-inch HD screen
- Anti-static outer shell
- ARM chip processor
- Supplied with USB interface
- Can be calibrated by user -temperature and viscosity correction factors are password protected
- Can measure viscosity by infinitely-variable speed- input any speed and the instrument will display the maximum measuring range under the different rotors
- Converts freely between various viscosity units e.g. dynamic viscosity will convert to kinematic viscosity automatically
- Powerful interface with intuitive menu icons
- Built-in RTD (PT100) temperature probe
- Gigabit ethernet port
- RS 232 interface for printer connection

Options

- **T01-700304: 10~600K** - 1-60rpm
- **T01-700305: 10~6M** - 0.1-100rpm (infinitely variable speed)
- **T01-700306: 100~80M** - 0.1-100rpm (infinitely variable speed)

Accessories

See range of accessories available on pg 103



Accessories

Viscosity Calibration Oils



Ref: Various
See page 95.

Accessories for Viscometer



Ref: Various
See page 102.

Intelligent Touch-Screen Rotary Viscometer (Basic)



Ref: T01-700571/T01-700572

[Click to view online](#)

Digital Touch Screen Rotary Viscometers with multiple sampling function. These intelligent touch-screen rotational viscometers have a 5 inch touch screen with powerful HMI, They are easy to use and can show many testing parameters. These viscometers use a MCS-51 microcontroller to control the constant rotational speed and the whole testing process.

- Compact precise and stable
- Enables multiple sampling in one rotation
- Consistent results for thixotropic Non-Newton fluids
- Full colour 5-inch HD touch screen displays viscosity; speed; torque percentage and max measurement range under current rotor and speed
- Displays continuous change of viscosity and alarm signals for over measuring range
- Linear calibration to full range by computer
- Measurement precision is $\pm 1.0\%$ of full range
- Simple conversion between various viscosity units -dynamic viscosity converts to kinematic viscosity automatically
- Supplied with a detailed user instruction manual and correction function for viscosity coefficient
- Calibrated by user
- Supplied with RTD (PT100) temperature sensor to monitor sample temperature in real time
- Supplied with RS 232 interface for printer connection

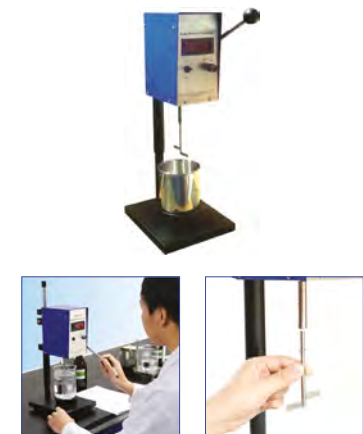
Options

- **T01-700571: 10-100,000 mPa.s** - Rotation Speed: 6rpm/12rpm/30rpm/60rpm
- **T01-700572: 10-2M mPa.s** - Rotation Speed: 0.3rpm/0.6rpm/1.5rpm/3rpm/6rpm/12rpm/30rpm/60rpm

Accessories

See range of accessories available, above

Krebs Stormer Viscometer



Ref: T01-700334

[Click to view online](#)

The Krebs Stormer Viscometer is used for measuring the viscosity of Newtonian and non-Newtonian fluids in accordance with ASTM D562. The viscosity of a non-Newtonian material varies depending on the rate of shear, but the standards Krebs Stormer Viscometer can measure the viscosity at a set speed shear rate which provides a consistent standard.

- LED digital display gives the reading in Krebs units or grams
- Range: 40.2KU- 141KU (27-5250 cP)
- Magnetic rotor enables rapid installation, dismantling or cleaning



Test Standards:

• ASTM D562

Accessories

See range of accessories available, above

Programmable Touch-Screen Viscometer (Rheometer)



Ref: T01-700307-14 [Click to view online](#)

A range of Programmable touch screen viscometers (Rheometers) can measure a samples viscosity at different speeds and rotation. The operator can also set the shear rate and shear stress to examine a sample's rheological behaviour.

- Displays sample shear rate and shear stress
- Continuous viscosity testing with audible alarm feature when beyond measurement range
- Large 7-inch HD screen
- Powerful interface with intuitive menu icons
- Anti-static outer shell
- Built-in temperature probe (RTD - PT100)
- ARM chip processor: higher data processing speed
- Gigabit ethernet port
- Supplied with a USB port
- Supplied with an RS 232 interface for printer connection
- Can be calibrated by user- temperature and viscosity correction factors are password protected
- Converts freely between various viscosity units e.g. dynamic viscosity will convert to kinematic viscosity automatically
- Linear calibration by computer
- Power supply: 100V-240V

Options

Model	Description	Rotors	RPM
T01-700307	Rheometer 1-2M mPa.s	4	0.3 -100
T01-700308	Rheometer 100-13M mPa.s	6	0.3 -100
T01-700309	Rheometer 200-26M mPa.s	6	0.3 -100
T01-700310	Rheometer 800-104M mPa.s	6	0.3 -100
T01-700311	Rheometer 1-6M mPa.s	4	0.1 -250
T01-700312	Rheometer 100-40M mPa.s	6	0.1 -250
T01-700313	Rheometer 50-80M mPa.s	6	0.1 -250
T01-700314	Rheometer 200-320M mPa.s	6	0.1 -250

Accessories

See range of accessories available on pg 103

Programmable Touch-Screen Viscometer with Temperature Control



Ref: T01-700315-22 [Click to view online](#)

Programmable Touch-Screen Viscometer with Temperature Control - viscosity measurement and temperature control in one machine. This removes the need for a separate thermostatic bath, viscometer and small sample adapter.

- Supplied as standard with a full colour 7-inch touch-screen control system; small sample adapter (SSA); cylindrical sample sleeve and $\pm 0.1^{\circ}\text{C}$ temperature control
- The HMI displays the shear rate and shear stress data with precise measurement under a certain shear rate
- This viscometer will only require a 2ml-16ml sample to display the readings- the cylindrical structure of the SC4 rotor gives precise viscosity measurement
- The small sample adaptor is specifically placed to the temperature controller, which ensures precise constant temperature measurement
- Using a small sample allows the rotor stirring action to create uniform temperature profile within the sample which benefits by shortening the sample hydrothermal time
- Other features of this viscometer are the same as our Programmable Touch-screen Viscometer (models T01-700307 to T01-700314)

Options

Model	Measurement Range	Rotational Speed	Temperature Control
T01-700315	10-330 K mPa.s	0.3-100	Single Point
T01-700316	50-3.3 M mPa.s	0.3-100	Single Point
T01-700317	100-6.6 M mPa.s	0.3-100	Single Point
T01-700318	400-26.4 M mPa.s	0.3-100	Single Point
T01-700319	10-1 M mPa.s	0.3-100	Single Point
T01-700320	25-10 M mPa.s	0.3-100	Single Point
T01-700321	50-20 M mPa.s	0.3-100	Single Point
T01-700322	800-80 M mPa.s	0.3-100	Single Point

Accessories

Low Viscosity Adapter



Ref: T01-7001601
A range of accessories from Ascott for use with viscometers.

Small Sample Adapter



Ref: T01-7001602
Designed for conducting testing with small samples and requires only 5*18ml.

Mini Single Colour Printer



Ref: T01-7001603
Mini printer for quick and easy recording of testing results.

Independent RTD Thermometer



Ref: T01-7001604
Temperature range -20°C - 120°C .

Viscometer Data Collection & Graphing Software



Ref: T01-7001607
Data collection and graphing software. Outputs to Excel.

Viscometer Data Collection & Programmed Analysis Software



Ref: T01-7001608
Automated data collection and analysis, outputs to Excel.

Salt for salt spray testing

To find the right chamber for your test requirements visit www.ascott-analytical.com

- Highest purity salt for fully compliant testing
- For all salt spray testing including the stringent ASTM B117
- Available in 25Kg (55lb) drums or bags
- Drums are with a scoop to maintain purity when handling



Despite the fact that salt is a commonly occurring compound, pure sodium chloride (NaCl) is much more difficult to come by. Because of its hygroscopic nature, which tends to make salt coagulate and solidify, most granulated salt has anti-caking agents added. However, the addition of these agents is prohibited by most salt spray test standards.

For example, the world's most popular salt spray test standard; ASTM B117, prohibits the addition of anticaking agents, and also limits other impurities, as follows: total impurities < 0.3%, halides excluding chloride < 0.1%, copper < 0.3ppm – so the salt must be very pure indeed, with the limit for copper in particular set at an extremely low level. Other national and international test standards for corrosion testing are similarly demanding in their specifications. To ensure compliance with the highest standards, Ascott has had Corro-Salt independently analysed by an UKAS* accredited laboratory.

*UKAS = United Kingdom Accreditation Service.

Specification - Typical analysis

Total impurities	< 0.1 %
Bromide	< 0.01 %
Fluoride	< 0.01 %
Iodide	< 0.01 %
Copper	< 0.3 ppm

Code	Description
SALA530	25 kg drum of salt with scoop
SALA500	25 kg bag of salt
(Bulk quantities available upon request.)	

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Notes

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Notes

[illegible]

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