

## Cone and Plate Viscometers



The Cone and Plate Viscometer is used to test the dynamic viscosity for non-Newtonian fluids, (paint and surface coatings). The Cone and Plate Viscometer is used to reflect the real-life representation of typical changes of paint when applied with a roller, brush, or spray gun under high shear rates.

Our range of Cone and Plate Viscometers are designed in compliance with ISO 2884, ASTM D4287 and BS3900-A7, and offer from 10,000S (BS/ISO Requirements) or to 12,000S (ASTM Requirements) shear rates

### Ascott Analytical Equipment Limited

6-8 Gerard, Lichfield Road Industrial Estate, Tamworth, Staffordshire, B79 7UW, Great Britain

T +44 (0) 1827 318040 F +44 (0) 1827 318049 E [sales@ascott-analytical.com](mailto:sales@ascott-analytical.com) W [www.ascottshop.com](http://www.ascottshop.com)

## Key Features

Large 7-inch HD screen

Powerful interface with intuitive menu icons

Interchangeable cones

Choice of shear rate. Standard speeds include 750 and 900 rpm to provide shear rate at 10000 sec<sup>-1</sup>

Small sample amount required (< 1 ml)

Built-in PT100 temperature probe, ARM chip processor and Gigabit Ethernet port

Supplied with heating and temperature control system from -1°C to 150°C or 5°C to 150°C (dependant on model ordered)

Variety of viscosity units and auto switching between dynamic and kinematic viscosity

Calibration by user: temperature and correction factor protected by password

Ordering Information → Parameters ↓	T01-700330 (400 RPM)	T01-700331 (750 RPM)	T01-700332 (900 RPM)	T01-700333 (@5-1000 RPM)
<b>Cone No.:</b> CAP-01 <b>Shear Rate:</b> 13.3N <b>Sample Volume:</b> 67μL	47-469 mPa.s	25-250 mPa.s	20-208 mPa.s	20-37,500 mPa.s
<b>Cone No.:</b> CAP-02 <b>Shear Rate:</b> 13.3N <b>Sample Volume:</b> 38μL	90-938 mPa.s	50-500 mPa.s	40-417 mPa.s	37-75,000 mPa.s
<b>Cone No.:</b> CAP-03 <b>Shear Rate:</b> 13.3N <b>Sample Volume:</b> 24μL	180-1,875 mPa.s	100-1,000 mPa.s	80-833 mPa.s	75-150,000 mPa.s
<b>Cone No.:</b> CAP-04 <b>Shear Rate:</b> 3.3N <b>Sample Volume:</b> 134μL	300-3,750 mPa.s	200-2,000 mPa.s	170-1,667 mPa.s	150-300,000 mPa.s
<b>Cone No.:</b> CAP-05 <b>Shear Rate:</b> 3.3N <b>Sample Volume:</b> 67μL	600-7,500 mPa.s	400-4,000 mPa.s	300-3,333 mPa.s	300-600,000 mPa.s
<b>Cone No.:</b> CAP-06 <b>Shear Rate:</b> 3.3N <b>Sample Volume:</b> 30μL	1,500-18,750 mPa.s	1,000-10,000 mPa.s	800-8,333 mPa.s	750-1,500,000 mPa.s
<b>Cone No.:</b> CAP-07 <b>Shear Rate:</b> 2.0N <b>Sample Volume:</b> 1700μL	78-787 mPa.s	N/A	N/A	32-63,000 mPa.s
<b>Cone No.:</b> CAP-08 <b>Shear Rate:</b> 2.0N <b>Sample Volume:</b> 400μL	313-3,125 mPa.s	N/A	N/A	125-250,000 mPa.s
<b>Cone No.:</b> CAP-09 <b>Shear Rate:</b> 2.0N <b>Sample Volume:</b> 100μL	1,250-12,500 mPa.s	N/A	N/A	500-1,000,000 mPa.s
<b>Cone No.:</b> CAP-010 <b>Shear Rate:</b> 5.0N <b>Sample Volume:</b> 170μL	100-1,250 mPa.s	N/A	N/A	50-100,000 mPa.s

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