

Basic Reflectance Meter T01-60817

Thank you for purchasing a Basic Reflectance Meter from Ascott. Please read these instructions carefully and retain for future reference.

Important Information

This equipment should only be used as intended by suitably qualified and trained personnel.

These instructions should be always readily available to such personnel.

Normal common-sense safety precautions must be taken at all times to avoid the possibility of accidents. We recommend that users produce their own risk assessment for the entire testing process for which this equipment will be used.

1. Introduction :

The Basic Reflectance Meter is designed and manufactured according to international standard ISO2814. It is fully portable and easy to use.

2. Features :

- 1) Small and light, ideal for field use as well as laboratory use
- 2) Auto zero calibration.
- 3) One 1.5V alkaline Battery lasts on average 60 hours and 10000 readings.
- 4) Long-term stable light source

3. Main Parameters :

- 1) Measurement range : 0-100%
- 2) Measurement condition : 0/45°
- 3) Repeatability : 1.5%
- 4) Power supply: One 1.5V alkaline Battery or rechargeable
- 5) Window Size : 12×17mm (ellipse)
- 6) Environment Conditions : Temp. 0°C~40°C ; Relative humidity : less than85%
- 7) Dimensions : 114mm×32mm×64mm
- 8) Weight : 300g

4. Operating Function :

- 1) Press the operate button to make measurements or perform functions
- 2) Calibrating standard : Regulate instrument using the calibration dial, make reading of display screen according with welding glass corresponding mark definite value of angle at the standard board. To guarantee the accuracy, the standard board must be kept clean.
- 3) Measure "Rb" Value : Put the Reflect meter into the black board, it's the "Rb" Value.
- 4) Measure "Rw" Value : Put the Reflect meter into the white board, it's the "Rw" Value.
- 5) Reflectivity= $Rb/Rw \times 100$.

5. Notice :

- 1) Prevent strong light from penetrating directly while using, to avoid errors in the accuracy of measuring.
- 2) Sample preparation must be done according to the correlative standard.

6. Maintenance :

- 1) standard boards should be kept clean, make sure not to touch the surface with fingers to avoid inaccurate readings
- 3) When the battery indicator is red, please change the batteries

If you have any queries regarding your new equipment, or require any additional accessories or consumables, please contact info@ascottshop.com or telephone +44 (0)1827 318040. If you wish to contact us by post, our full mailing address is 6-8 Gerard, Tamworth, Staffordshire, B79 7UW