

WINDOW TINT METER WTM-1300

This Window Tint Meter is small in size, light in weight, easy to carry. Although complex and advanced, it is convenient to use and operate. Its ruggedness will allow many years of use if proper operating techniques are followed. Please read the following instructions carefully and always keep this manual within easy reach.

* Use USB cable or Bluetooth adapter to connect with PC.

2. SPECIFICATIONS

Disply: 10mm LCD
 Measurement Range: 0-100%
 Resolution: 0.1
 Accuracy: $\leq 2\%$
 Interface: Data Cable Interface
 Sample Thickness: Less than
 10mm/0.4inch
 Ultraviolet Light Wavelength: 380nm
 Visible Light Wavelength: 380-760nm
 Infrared Light Wavelength: central
 wavelength 950nm
 Measurement mode:
 Visible light transmittance
 measurement;
 Ultraviolet light transmittance
 measurement;
 Infrared light transmittance
 measurement;
 Light transmittance measurement
 cycle.

1. FEATURES

- * Applicable to measure the transmittance of all kinds of transparent, translucent samples with parallel plane (such as automobile manufacturing, aerospace, glass products, plastic sheet, sheet, etc). Also can be used to determine the turbidity or clarity of liquid sample (water, drinks and so on).
- * This Meter is a hand held device that measures the amount of light that passes through a window.
- * Technology is designed in accordance with GB 2410-80, ASTM D1033-61, JIS k7105-81 and other standards.
- * Digital display, wide range, high resolution.
- * One key calibration, easy to use.
- * Solid structure, small volume, light weight, easy to carry.
- * Can measure the transmittance of ultraviolet light, visible light, and infrared light. 1

Operating conditions: 0~50°C,
<90%RH

Lamp Life: 10 Years

Power Source: 4 x 1.5v AAA Batteries

Weight: 120g (not including batteries)

Dimensions: 126 x 65 x 27 mm

Standard Accessories included:

Test notebook.....1pc

Carrying case.....1pc.

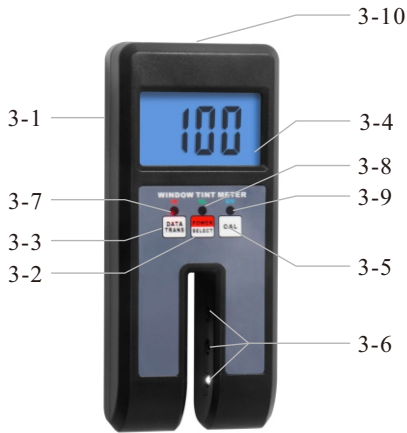
Operation manual.....1 pc.

Optional Accessory:

USB Cable and software

Bluetooth Adapter and software

3. FRONT PANEL DESCRIPTIONS



- 3-1 Battery Cover
- 3-2 Power/Select Key
- 3-3 Date-transmission Key
- 3-4 Display
- 3-5 Calibration Key
- 3-6 Measuring Slot
- 3-7 Infrared light Indicator

4

* Press the Tint meter down over the glass. When the Meter is positioned over the glass the meter will display the light transmission of the indicated measurement mode on an easy to read liquid crystal display. Slide the meter up vertically to remove the device and turn the unit off.

5. CALIBRATION

* It is easy to test the accuracy by yourself. There is a CAL button to be used to calibrate the tint meter.

* 100% light transmission

Do not place any reference plate into the meter's entrance slot. The reading on the display should be around 100%, if not, please press the CAL key and release it. The meter is now calibrated to 100% light transmission.

Note: readings between 99%-101% are acceptable.

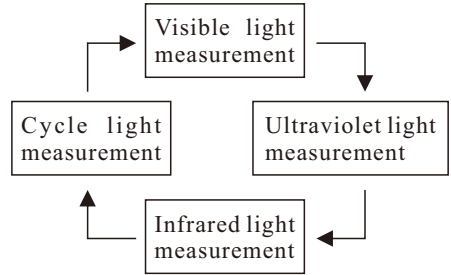
6

- 3-8 Visible light Indicator
- 3-9 Ultraviolet light Indicator
- 3-10 Data Cable Interface

4.HOW TO PERFORM A TEST

*Power the tint meter on by pressing the Power/Select Key.

* Press the Power/Select Key to cycle through measurement modes as the following order.



* Roll the window down half-way, and position the meter's entrance slot over the glass.

5

* 0% light transmission

Sliding the cardboard into the slot like a reference sample should achieve a reading of 0%. if not, please press the CAL key and release it. The meter is now calibrated to 0% light transmission.

6. BATTERY REPLACEMENT

6.1 When it is necessary to replace the battery, the battery symbol "□•□" will appear on the Display.

6.2 Slide the Battery Cover away from the instrument and remove the batteries.

6.3 Install the batteries (4x1.5v AAA/UM-4) correctly into the case.

6.4 If the instrument is not to be used for any extended period, remove batteries.

7