

WINDOW TINT METER RWT-1001

1. FEATURES

This Window Tint Meter is a hand held device that measures the amount of light that passes through a window. It measures the total amount of Visual Light Transmission (henceforth referred to as VLT) through a window and any coatings (tint film) on that window. The device was designed to measure the total VLT of a window after it has been treated with aftermarket window film. The device slides over a partially rolled down window, does its calculations, and in seconds displays the readings on a LCD . Because it has its own internal light source, the meter will work day or night.

2. SPECIFICATIONS

Disply: 10mm LCD

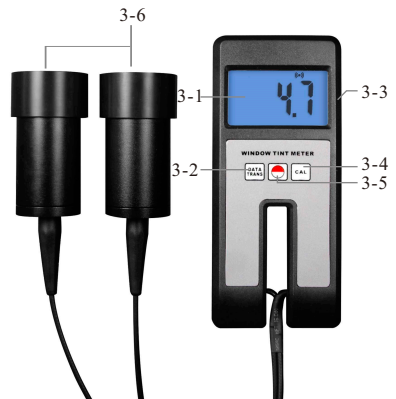
Measurement Range:

0 to 100% Light Transmission

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3. FRONT PANEL DESCRIPTIONS

Resolution: 0.1
 Accuracy: $\leq 2\%$
 Wavelength: 550 Nanometers
 Interface: USB
 Sample Thickness:
 Less than 18 mm/0.7inch
 Operating conditions: 0~50°C, <90%RH
 Time of Testing:
 Maximum of 4 Seconds
 Effects From Stray Light:
 Not Effected by Stray Light
 Lamp Life: 10 Years
 Power Source: 4 x 1.5v AAA Batteries
 Weight: 100g (not including batteries)
 Host Dimensions: 126 x 65 x 27 mm
 Sensor Dimensions : 125x38x38mm
 Standard Accessories included:
 Testing block.....1pc.
 Carrying case.....1pc.
 Operation manual.....1 pc.
 Optional Accessory:
 USB cable and software
 Bluetooth adapter and software



3-1 Display
 3-2 Key for Date-transmissin
 3-3 Battery Cover
 3-4 Calibration Key
 3-5 Power Key
 3-6 Measuring probe

4. HOW TO PERFORM A TEST

- *Power the tint meter on by pressing the power key
- *Place the 2 probes on each side glass in a central line the meter will display the light transmission of that window on an easy to read liquid crystal display. Slide the meter up vertically to remove the device and turn the unit off.



figure 1: Correct method of placing Model 1001 on glass.

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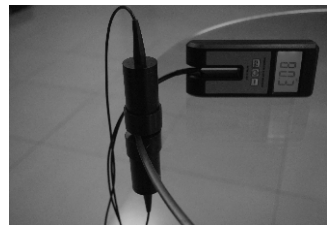


figure 2: Model 1001 correctly Seated on glass to be measured.

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.


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

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.

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