

WINDOW TINT METER

TSSE-110

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

2.SPECIFICATIONS

Display: 10mm LCD

Resolution: 0.1

Accuracy: $\leq 2\%$

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Wavelength: 550 Nanometers
Measurement Range:
0 to 100% Light Transmission
Interface: RS-232C
Sample Thickness:
Less than 18 mm/0.4inch
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 :
Carrying case.....1pc
Operation manual.....1 pc.
Optional Accessory:
Cable and software for RS232C

3. FRONT PANEL DESCRIPTIONS



- 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 110 on glass

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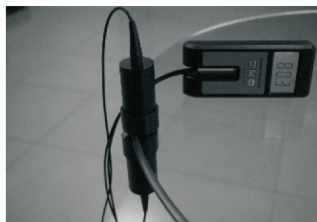


figure 2: Model 110 correctly Seated on glass to be measured

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%


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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

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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