

WINDOW TINT METER

DB22-TM271

1.Product Description

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.Technical Parameters

Display: LCD

Measurement Range:

0 to 100% Light

Transmission

Resolution: 0.1

Accuracy: $\pm 2\%$

Light Source: LED

Sample Thickness:

Less than 18 mm/0.7inch

Wavelength: 550 Nanometers

Operating Temperature:

0~50°C (32~122°F)

Operation Humidity:

<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 Um-4 Batteries

Main Unit Size: 140x76x32mm

5.5x2.8x1.2inch

Probe Size: 125x38x38mm

4.9x1.5x1.5inch

Weight: 130g (not including batteries) 4.59oz

Standard Accessories

- * Main Unit
- * Testing block
- * Carrying case
- * Operation manual

Optional Accessories

- * USB data output
- * Bluetooth data output

3.Front Panel Descriptions



Fig-1

Fig-1 Information Form

3-1	Display
3-2	Power Key
3-3	Key for Date-transmission
3-4	Calibration Key
3-5	Measuring probes

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.

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%
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.