

Gauzy

# TINT METER USER MANUAL



1. This Meter is a hand-held device that measures the amount of light that passes through the glass.

## 2. Accessories included:

- Reference Sample
- Testing device: 1pc
- Carrying case: 1pc
- Operation manual: 1 pc
- Silicone rings: 2 pc
- Bluetooth adapter: 1pc
- Software disk: 1pc
- USB RS232 with 2.5mm Jack Cable
- 2.5mm Jack cable extension cord



## 3. Front Panel Description

3-1 Display

3-2 Battery cover on the back

3-3 USB interface

3-4 Data transmission key

3-5 Power key (main unit)

3-6 Calibration key

3-7 Reception probe

3-8 Tick mark

3-9 Emitter probe

3-10 Wrist rope

3-11 Emitter indicator

3-12 Emitter battery cover

3-13 Emitter power key



## 4. Performing a test

4.1 Verify proper condition of batteries on both sides of the Tint Meter device: on the light-emitting probe side and on the light-receiving probe side.



4.2 Turn on the Tint Meter by pressing the middle button marked with a half-filled circle.



4.3 Connect the two sides of the probe of the Tint meter to each other. Make sure the markings on the probe are aligned with each other.

4.4 Press the light switch on the light-emitting side to turn on the light-emitting LED.



## 5. Calibration

5.1 Attach the Tint Meter probes to each other. Make sure the probes are aligned following the indicated lines marked on the probes.



5.2 Calibrate the tint Meter by pressing the right Tint Meter button marked "CAL". The number "100" should appear on the Tint Meter screen. This action calibrates the Tint Meter by closing the gap between the two probes causing 100% of the light to be transferred between them.

5.3 Proceed to calibrate the Tint Meter on "0" by disconnecting the probes from each other. Place the reception probe face down on the table and press the "CAL" button once more. "0" should appear on the Tint Meter screen. This action calibrates the Tint Meter by preventing any of the light to transfer between probes causing 0% of the light to be transferred.

5.4 Place the 2 probes on each side of the sample in a central line. The Tint Meter screen will indicate the percentage of transmittance. The sample has a value of light that needs to be displayed on the screen. Check that the result of the measurement is within the range



**Conncting to a computer is available via Bluetooth or USB cable connections, as follows:**

## 6. Bluetooth Adapter Operation Instructions

6.1 Plug a USB Bluetooth adapter into the USB port on your PC. To turn ON the bluetooth on your PC, select: Start > Settings > Bluetooth & devices, and then turn on Bluetooth.

### 6.2 Pairing a Bluetooth device.

Turn on the Tint Meter Bluetooth device and make it discoverable. On your PC, select Start > Settings > Bluetooth & devices > Add device > Bluetooth. Choose the Bluetooth WTM-1200 device, follow additional instructions if they appear, and then select done.

## 7. USB Operation:

7.1 Plug the USB RS232 cable to the device's USB interface inlet, and the other end to a computer. Use the extension cord if needed.

7.2. To check the device is recognized by the PC, go to the "Device Manager" menu in the Windows Control Panel. Open the "Ports (COM & LPT)" drop-down menu and check you see the device name ("USB-SERIAL

8. For usage with ATE system go to document: TN-09-46.01- Segmented ATE User Manual.

## 9. Specifications:

Display	LCD	
Range	0%~100%	
Resolution	0.1	
Accuracy	±2%	
Sample Thickness	<<18 mm/0.7 inch	
Light Source	LED	
Measuring Mode	Single / Continuous	
Operating Conditions	Temperature:0°C~50°C Humidity: 90%	
Power Supply	Main Unit	4x1.5V AAA(UM-4) Battery
	Light Emitter	2x1.5V AAA(UM-4) Battery
Size	Main Unit	141mm x 65mm x 38mm
	Light Emitter	70mm x62mm x 52mm
Weight	290g (Including Batteries)	
Standard Accessories	Main Unit	