

ABOUT YOUR TINT METER

The Tint Meter Model 200 measures light transmittance allowed to pass through auto glass. The digital display shows you the percentage of visible light transmittance as compared to 100%. A 100% reading would indicate that there is nothing interfering with or blocking the light path. A clear pane of glass does block some light from passing through and could only get a reading of no higher than 72%. A piece of cardboard does not allow any light to pass through would show a reading of 0%.

Every time the Tint Meter is turned on in its proper sequence it auto-calibrates to 100%. This feature gives the meter protection against adverse conditions such as dust, temperature changes, and changes in battery voltage. Because of this auto-calibration the device only cares about how much of the available light the light source is emitting at that instant. Unlike other meters which are calibrated in factory conditions, and then those conditions change once the meter leaves the factory.

FULL ONE YEAR WARRANTY

Laser Labs, Inc. warrants this product against any defects that are due to faulty materials or workmanship under normal use for a period of one year from the date of purchase.

Should the product become defective within the warranty period, Laser Labs, Inc. will repair it or replace it free of charge. The warranty does not apply to damage caused by accidents, misuse, abuse or alterations.

Limitations On Liability. Laser Labs will not be liable for loss or damage of any kind including incidental or consequential damages resulting directly or indirectly from the failure of this product to accurately measure light transmittance. Since some states do not allow the exclusion or limitation of incidental or consequential damages, the above limitations or exclusion may not apply to you. This warranty

BATTERIES MUST BE INSTALLED IN BOXES A & B

Two 9 volt alkaline batteries are required. One must be placed in the compartments on the back of each box.

SPECIFICATIONS

Wavelength.....	550 Nanometers
Accuracy.....	+/- 3 Percentage Points
Repeatability.....	1 Percentage Point
Measurement Range.....	0 to 100% Light Transmission
Temperature Range.....	0°F to 110°F
Humidity Range.....	0% to 100% Noncondensing
Sample Thickness.....	0.0 Inches to .5 Inches
Sample Size.....	2 Inch X 2 Inch Minimum
Time of Testing.....	Maximum of 50 Seconds
Effects From Stray Light.....	Not Effected by Stray Light
Lamp Life.....	10 Years
Power Source.....	Two 9V Alkaline Batteries
Weight.....	1.4 lbs
Dimensions.....	2-5X3X1.5 ABS Plastic Enclosures

REFERENCE SAMPLES

Each meter is equipped with two test standards with light transmittance values printed on their labels. These values are accurate to within plus or minus one percentage point of a N.I.S.T. calibrated spectrophotometer.

To verify the Tint Meter is working properly and within specifications, take a reading of the reference samples before you begin to use the meter. The meter should display a reading of not more than plus or minus 3% points of the value printed on the label.

INSTRUCTIONS

TINT METER

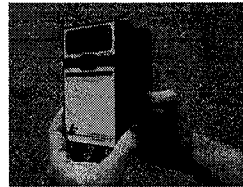
MODEL 200



Laser Labs, Inc. 454 First Parish Road, Scituate, Massachusetts 02066

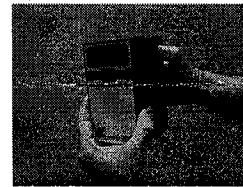
1-800-452-2344
Telephone: 508-923-4760
Fax: 508-923-4750
WWW.LASER-LABS.COM

Roll Down Window Test



Step 1

With the two units together, turn on box "B" first. The 5 green L.E.D.'s should all be illuminated. This box is the light source which the meter will be measuring. Do not turn this unit off until you are finished making a test. You can turn the unit off, just turn it back on again and it will read 100.



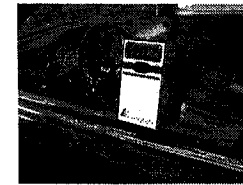
Step 2

Turn on box "A". The LCD screen will display 100 after a couple of seconds. The readout at this point may also be "99" or "101", which is O.K. Once there is a steady reading, the meter is calibrated to 100% light transmission. Do not turn the unit off. The meter will use the 100% for comparison against a tinted window. You can calibrate it as often as you like, just remember it has to be calibrated before you make a test on a window.



Step 3

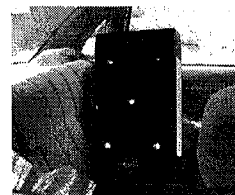
With meter now calibrated to 100%, it is ready to test the light transmission of a window. On side roll down windows, roll the window down half way, and place the two units above the glass. Squeeze the tops of the two boxes together, and place it over the window. Press the two units down together until the foam gaskets are completely below the top of the window.



Step 4

The LCD screen will display a reading. This number is the light transmission of the window. Remember to turn both box A & B off after testing.

Rear and Fixed Window Test

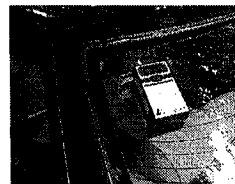


Step 1 & 2

Are performed exactly the same way as doing the roll down windows.

Step 3

While the unit is still calibrated to 100%, you have to separate the back box from the front box, and place the back box on the inside of the window. Use the suction cups as an aid to hold the unit to the window. At this point the lights should all be on. On rear windows with defroster lines, be sure not to have the line covering the LED in the center of the back box. This may cause a lower reading.



Step 4

On the outside of the window, place the front box over the light source box. You feel the magnets pull the unit on top of the other aligning the two together. Once connected, you can read the light transmission of that window on the LCD screen.