

Your input is always welcome at Lujan USA  
 Please send any product improvement suggestions or  
 other comments to [info@lujanusa.com](mailto:info@lujanusa.com)

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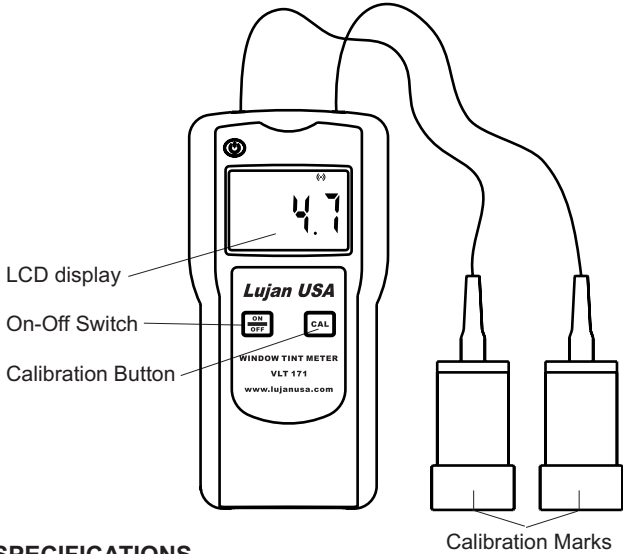
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Thank you for purchasing  
 The VLT 171

# Instructions

Professional Model Automotive  
 Visual Light Transmittance Meter

## VLT 171 WINDOW TINT METER



### SPECIFICATIONS

Display: LCD Resolution: 0.1  
 Accuracy:  $\pm 2\%$   
 Wavelength: 550 Nanometers  
 Measurement Range: 0 to 100%  
 Transmission 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

### Notes:

Dirt, oil, and contaminants on window will alter VLT  
 Dirt on sensor may affect VLT measurement  
 The VLT operates on 4 AAA batteries  
 Foam block shipping pad can be removed from case for easier wire storage

The express warranty set forth herein is in lieu of all other warranties, express or implied, including, but not limited to, any warranties of merchantability or fitness for a particular purpose, and all such warranties are hereby disclaimed and excluded by Lujan USA. There are no warranties which extend beyond the description on the face hereof. Lujan USA's liability, if any, shall never exceed the purchase price of this light, regardless of whether liability is predicted

any return. No return will be accepted without a RA.  
 (8) A "Return Authorization" (RA) must be obtained from Lujan USA prior to returning any product. The RA number must be clearly marked on the outside of damages.  
 (7) Lujan USA shall not be responsible for any incidental or consequential damages.  
 (6) Proof of purchase must be supplied for all warranty claims.  
 (5) Batteries are excluded from this warranty.

(4) Defective parts must be returned to Lujan USA freight prepaid for QC inspection.  
 (3) If product fails, it will be repaired or replaced at the option of Lujan USA.  
 (2) This warranty applies to normal use and operation, it does not apply to any product that Lujan USA determines to be broken by accident, misuse, tamper, with, dropped in water, modified, or used for any purpose other than testing window tint.  
 (1) The enclosed warranty registration card must be completed and mailed to Lujan USA within 30 days of original purchase. Warranty registration can also be made online at [www.lujanusa.com/warranty.htm](http://www.lujanusa.com/warranty.htm).

**LIMITED WARRANTY**  
 The VLT 171 Window Tint Meter is warranted to original purchaser to be free from defects in material and workmanship under normal user operation for a period of ONE YEAR from the date of purchase.  
 The sole obligation under this warranty shall be to repair or replace any product or parts which are found by Lujan USA to be defective.

### OPERATION

- 1) Press the on-off button to activate meter.
- 2) Place the 2 probes on each side of glass and align them with each other. Calibration marks should be aligned.
- 3) VLT percentage will show in the LCD display within 4 seconds.

Note: When testing reflective tint, sensor with LED light source should be on non-reflective side of glass.

- 4) Testing is continuous, to test additional windows, simply move the sensors to each window and read display.

### AUTOMATIC SHUT OFF

Meter will beep after 3 minutes of use and shut off automatically after 3 ½ minutes.

### CALIBRATION

- 1) Press the on-off button to activate meter.
- 2) Place sensors against each other with center holes and calibration marks on sensors aligned.
- 3) Press "CAL" button. Meter will beep and self calibrate at 100% VLT.

### PRE-TEST CALIBRATION CONFIRMATION

- 1) Turn on meter.
- 2) Place sensors against each other with center holes and marks on sensors aligned.
- 3) Meter should display 100% +/- 2%.
- 4) Place sensors on solid opaque surface, meter should display 0%, +/- 2%.
- 5) If either VLT displayed vary by more than 2% recalibration should be done.