

MEASURING INSTALLED WINDOWS

The best results are obtained when the meter is operated on windows inside of a building that are directly facing the sun. The position of the meter is EXTREMELY important in obtaining an accurate reading. The meter should be placed on the window sill on top of it's box or other stationary item that will hold the meter in the same position. To measure the UV transmission of a window, follow the same steps that are used under "MEASURING AUTOMOTIVE GLASS" on page 3 of this manual. In step #3, it is best to close the window without moving the meter, rather than sliding the meter behind the glass. Once the window is closed, the meter will measure the UV Transmittance of the window. Several readings should be taken to guarantee the most accurate information is obtained. Please note if there are clouds passing in front of the sun, this will affect your UV reading. If possible, perform the self-calibration of the meter (Step #2) while no clouds are passing in front of the sun. This will provide the most stable UV source and allow for the most accurate readings.

HELPFUL OPERATING TIPS

1. When taking measurements, it is important that the meter is held in the exact same position throughout the measurement. Any change in angle or proximity to your UV source can adversely affect the accuracy of your measurements. FOR BEST RESULTS, place the meter and UV source on a stationary platform. When conducting measurements, slide the glass or film sample between the meter and the UV source, without moving the position of the meter. This will guarantee the most accurate readings possible.
2. It is advised to take multiple readings to reduce the amount of error that can occur. Be aware that a changing light source (sun with moving clouds) will affect your transmission readings.
3. The UV sensor is located at the top end of the enclosure. For the greatest accuracy in measurements, this sensor should be directly facing the UV source. DO NOT alter the condition of the sensor opening by touching or pushing on the filter. Any modifications or altering of the exterior surface of the filter WILL affect the calibration of the meter. This area should be kept clean at all times. Compressed air or a lint-free cloth should be used to clean the filter surface if it becomes soiled.
4. Do not attempt to open the enclosure. Opening the enclosure will void the product warranty and affect the calibration of the meter.

BATTERY REPLACEMENT -- BLINKING DISPLAY

The UV1265 is powered by a 9 volt battery. When the battery voltage is getting too low to operate the meter, the display will begin blinking. Once the display begins blinking you will want to replace the battery soon. To replace the battery, turn off the meter. Remove the battery cover near the bottom of the meter and replace with a new battery. Alkaline batteries will provide the longest service, but are not required for this product.

UV1265 WARRANTY

The manufacturer warrants all models of the UV1265 to be free from defects in material and workmanship under normal use and service as specified within the operator's manual. The manufacturer shall repair or replace the unit within six (6) months from the original date of shipment after the unit is returned to the manufacturers factory, prepaid by the user, and the unit is disclosed to the manufacturers satisfaction, to be thus defective. This warranty shall not apply to any unit that has been repaired or altered other than by the manufacturer. The aforementioned provisions do not extend the original warranty period of the unit which has been repaired or replaced by the manufacturer. Batteries are not covered by warranty.

EDTM, Inc. assumes no liability for the consequential damages of any kind through the use or misuse of the UV1265 product by the purchaser or others. No other obligations or liabilities are expressed or implied. All damage or liability claims will be limited to an amount equal to the sale price of the UV1265, as established by EDTM, Inc.

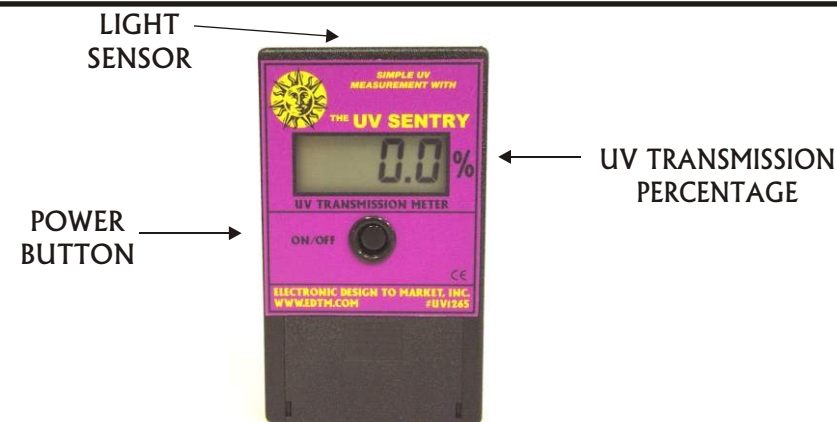
The UV SENTRY

UV Transmission Meter

MODEL #UV1265

GENERAL DESCRIPTION:

The digital "UV SENTRY" is the perfect tool for demonstrating the UV blocking capabilities of a given product. The UV Sentry is able to calculate the actual UV Transmission percentage associated with a given material. The UV1265 may be used to measure the UV characteristics of glass, film, coatings, laminates or other materials. Use this meter to create CONVINCING sales presentations. The UV Sentry can promote your UV blocking product effectively.



FEATURES:

- UV TRANSMISSION MEASUREMENTS
- SIMPLE OPERATION
- SHARP-CUT UV BAND FILTERS FOR ACCURATE UV MEASUREMENT
- REAL-TIME READINGS CONTINUALLY UPDATED
- END-MOUNTED SENSOR
- PUSH-ON/PUSH-OFF POWER SWITCH
- SMALL, PORTABLE CONVENIENT SIZE

KEEP THE COMPETITIVE EDGE WITH PRODUCTS FROM EDTM, INC.

ELECTRONIC DESIGN TO MARKET INC.
745 CAPITAL COMMONS DRIVE
TOLEDO, OHIO 43615 USA

PHONE: 419-861-1030
FAX: 419-861-1031
WEBSITE: WWW.EDTM.COM
EMAIL: SALES@EDTM.COM

GLASS & AIR SPACE LASER METERS, SOLAR, TINT, & UV METERS
LOW-E DETECTORS, 4 POINT SHEET RESISTANCE METERS, TIN SIDE DETECTORS
SELF-CLEAN COATING DETECTORS, SOLAR GAIN LOW E METERS
INSPECTION EQUIPMENT, SALES KIT ACCESSORIES

TABLETOP SALES PRESENTATIONS

The UV1 265 can be used to perform dynamic TABLETOP PRESENTATIONS, showing the UV blocking capabilities of your product. To set up your tabletop presentation or to perform readings in a bench-type QC application, place a UV light source facing the UV1 265 meter. The light source should be stable and held in position so it cannot move during the measurements. We recommend using the UV1385 UV Penlight available from EDTM. It offers UV energy centered at 380 nm, in a compact and convenient penlight assembly. Position the meter flat on the table with the sensor facing the light source directly. To obtain the most accurate results, DO NOT move the UV light source or the meter during the readings. Changing the position (distance or angle) of the UV light source during measurements will adversely affect the accuracy of your measurement. To conduct measurements, follow the directions below.

- 1) Place the meter on a stationary platform with the UV sensor (top end of meter) facing the UV light source (Model# UV1 385). The UV source and meter must both be in a STATIONARY position.
- 2) Turn on the UV source first, and then turn on the UV1 265 by pushing the power button. The meter will perform a self-calibration and the display will now read P100 (= 100% transmission). Your meter is now prepared to take a UV transmission measurement with the current UV light source conditions. Proceed to Step 3. (If the surrounding UV conditions change, repeat STEP 2). If the letters "LO" appear on the display, this means the UV source is too far away, or the source is not strong enough to register a reading. Turn the meter off and correct the problem. Now begin at Step 1 again.
- 3) Now slide the glass or film sample you are demonstrating between the UV1 265 meter and the UV source. The resulting UV transmission % for the sample will be displayed.
- 4) To confirm your reading, remove the glass or film sample and confirm that the meter returns to P100. If the meter does not display P100, it is possible that your light conditions have changed. You may choose to perform the measurement again.



← STEPS 1 & 2:
Self-calibrating the meter



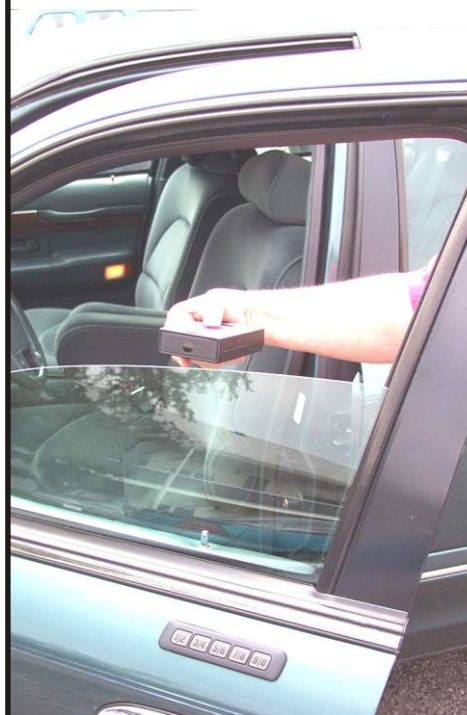
STEP 3: →
UV Transmission Measurement
shown with coated glass sample

MEASURING AUTOMOTIVE GLASS

For the best results, position the vehicle in a location that is in the direct sun if possible. To complete your UV Transmission measurements, follow the steps below:

- 1) Open the automobile window half way and place the meter directly above the window in the opening. The light sensor (top end of meter) should be facing directly outward.
- 2) Turn on the UV1 265 by pushing the power button. The meter will self-calibrate and the display should read P100 (= 100% transmission). Your meter is now prepared to take a UV Transmission measurement with the current light conditions. (If the surrounding light conditions change, repeat STEP 2).
- 3) Now slide the UV1 265 meter downward so the end of the meter is placed directly behind the window OR close the window while holding the meter in the exact same position. Hold the meter at the exact same angle as it was held in Step #2. The resulting UV Transmission percentage for the window will be displayed.
- 4) To confirm your reading, slide the UV1 265 meter back to its original location above the open window (Step 1). The display should return to P100. If the meter does not display P100, it is possible that your light conditions have changed. You may choose to perform the measurement again. We recommend taking a couple readings to confirm your measured value.

STEPS 1 & 2



STEP 3

