

TECHNICAL BULLETIN – VLT DEVICES/METERS

There are several electronic handheld Visible Light Transmission (VLT) devices available on the market from numerous manufacturers around the world. NONE of them measure 100% accurately. They all have a tolerance, usually +/- 2 to 3 percentage points, however we have seen some devices that have a tolerance of +/- 5 percentage points – to clarify...this reading is percentage points not percentage (%).

Example, if an individual was using a handheld electronic VLT device on vehicle glass that had a tolerance of +/- 5 percentage points and the expectation was a net VLT reading of film and auto glass of 35% VLT, that particular VLT device could read anywhere between 30-40% VLT provided it was calibrated correctly prior to each use.

The user of these VLT devices, must read and follow the testing/calibrating requirements as per the manufacturer operating instruction manual. Each VLT device purchased from a manufacturer includes the following points in their operating manual:

- Calibrating the VLT device prior to each use. Calibration pieces are supplied with most devices.
- Handling the VLT device with care – they are a sensitive device.
- Make sure that the battery is charged and replaced regularly.

For the best results and if possible, position the vehicle in a location that is in the direct sun.

If you are thinking of purchasing a handheld electronic VLT device, please research the device operating instruction and limitations prior to purchase.

If you do not have or misplaced manufacturer operating instructions from a current VLT meter being used, please research the VLT meter manufacturer for operating instructions for the model being used.

If you have any queries or require further information on VLT devices, contact us at MEP Films.

Regards,

Nelson Neves
Product, Technical & Training Manager