

AutoLight Magnetic

WINDOW TINT TESTING

TEST ALL CLASSES OF VEHICLES



Why **AutoLight** Magnetic?

Window tinting can diminish driver vision through vehicle windows. This compromises the safety of the driver and their passengers.

Safety is jeopardised when approaching oncoming vehicles with dark window tinting. The internal space of the vehicle and its passenger's movements are not clearly visible.

What is **AutoLight** Magnetic?

AutoLight™ Magnetic is a portable Light Transmissibility Meter. The meter measures the amount of light transmitted through a tinted window to determine its compliance. It is a lightweight, accurate and easy to operate tool for law enforcement officers and compliance testers.

Some local regulations also require testing of tinted glass to ensure compliance with vehicle safety inspection requirements.

AutoLight™ Magnetic is an upgrade version of the **AutoLight**™. This product is equipped with Magnets.

The **AutoLight**™ Magnetic meter provides inspectors with accurate readings that would otherwise be impossible by simple visual inspection.

How does **AutoLight** Magnetic work?

The light transmissibility meter consists of a light sensor built into the body of the instrument, a precision light source and an LED display.

By aligning the light source and the sensor on either side of the window, the percentage of light transmitted through the window is measured.

The degree of visibility is obtained from the reading.

MAGNETIC
FOR
HANDS FREE USE



UPGRADE TO **AUTO**LIGHT MAGNETIC PLUS

THE **AUTO**LIGHT™MAGNETICPLUS VERSION ALLOWS RESULTS TO BE DOWNLOADED TO A PC THROUGH A BLUETOOTH CONNECTION. STORES LAST 20 TEST TO MEMORY. COMPATIBLE WITH WORKSHOP PRO10 TABLET.



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3 Easy testing steps with **AutoLight Magnetic**

STEP 1: Align AutoLight™ Magnetic to the side of the test window or windscreen so that the light source and light sensor overlap. For all door Windows: The cable MUST be over the door, as pictured, for the magnets to hold.

STEP 2: After aligning AutoLight™ Magnetic, press the measurement button to take a reading of the light transmitted through the window.

STEP 3: After the test is completed, the display window shows the percentage of light transmitted through the window.

FEATURES

- Magnetic for hands free operation
- Easy to operate by aligning two reader tubes
- Simple one button operation
- Can be used for side windows or windscreens
- Calculates the percentage of light transmitted through windows
- Lightweight (450g)
- Compact (190mm x 60mm)
- Automatic start function
- Comes with self-checking calibrated Glass
- Should be calibrated annually

SPECIFICATIONS

SENSOR SPECIFICATION

- Spectral sensitivity conforming to photopic curve V (λ) of relative illuminous efficiency of the CIE 1931 standard observer for photopic vision
- Compliant with ISO 3538:1997

LIGHT SOURCE

- 2856°K ± 50°K, conforming to CIE illuminant A
- Lamp voltage stabilised within ±0.1%

ACCURACY

- Linear from 20 - 100%, ±3%

DISPLAY

- LED readout 0 - 100%
- Resolution: 0.1%
- Display is optimised for Digital photography

POWER SOURCE

- 2 x MN 1604 batteries (9 volt)



*For all door windows: The cable MUST be over the door, as pictured, for the magnets to hold. This balances the weight.



A single operator can conduct the test accurately and take a photo of the result, as required by some regulators.