

LASERLUX[®] G7

MOBILE RETROREFLECTOMETER



S.M.A.R.T. Retroreflectivity Readings at Highway Speeds

Simple Measurement Acquisition for Retroreflective Technology

- **Adaptable** – Quickly and securely mounts to almost any vehicle utilizing a cinema grade, four leg mount with vacuum cups and safety strap.
- **Simple Operation**– Self aligning and calibrating measurement, utilizing automatic motorized height adjustment and leveling, all from the power of a standard 12v power outlet.
- **Affordable** – Mounts to existing fleet vehicles; wireless control with Android, iOS, and Microsoft tablets and computers. Data is stored in an on-board, removable USB flash drive.

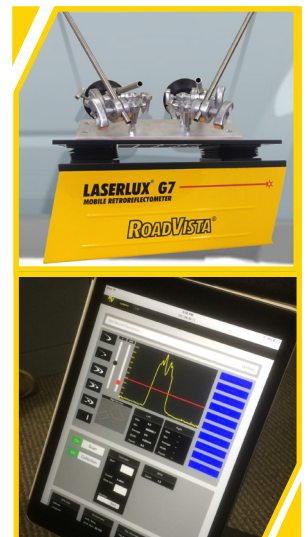


Standard Features:

- Records 400 measurements per second ensuring continuous coverage of the lines.
- Compatible with Android, iOS, and Windows tablets and computers
- Wireless video camera with streaming overlay recorded and synced to the data stream
- Data is stored in a removable USB flash drive – Don't waste time downloading your data at the end of the day. Just take the flash drive with you and plug it into your laptop.
- Counts and records raised retroreflective pavement marker (RRPM's) presence.
- Fast, Easy, Accurate Calibration – completely self-contained with no need to measure distances or find level ground.
- Measures and records the width of the stripe.

Optional Features:

- Nighttime Color Measurement – the first ever mobile retroreflectometer with the capability to determine if your white and yellow stripes fall within the designated ASTM or CEN night time color boxes.
- **Upcoming:** Measure and record skip line lengths and spacing.



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Specifications

The Laserlux G7 Measures the Coefficient of Retroreflection of pavement markings in the CEN 30-meter geometry.

Geometry	ASTM E1710 and CEN 30 meter
Entrance Angle	88.76° ± 0.01° (ASTM E1710)
Illumination Angle	1.24° ± 0.01° (EN1436)
Observation Angle	1.05° ± 0.01° (ASTM)
Observation Angle	2.29° ± 0.01° (EN1436)
Aperture Size	0.1°
Operating Temperature Range	-7 to 45°C (20 to 113°F)
Operating Humidity Range	5 to 95% R.H. non-condensing
Measurement Distance	6 meters (19 feet, 8.22 inches)
Measurement Width	1 meter (39.4 inches)
Weight	Less than 12 kg (26.4 lbs)
Measurement Rate	400+ measurements per second of a line
Longitudinal resolution of measurement	Better than 3 inches at speeds up to 100 km/h (62 mph)
Wireless control via any PC, tablet, or smart phone	iPad, Android, Windows, etc.
Vehicle Platform	Mounts to almost any vehicle using removable mounting bracket
Additional Readings	Measures and counts Raised Pavement Markers (cat eyes, road studs, RPM's)
	Measures double lines individually with separate RL values for each line
	Measures the night-time perceived pavement marking line width
Options	High Definition video recording



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