

StripeMaster II Pavement Marking Retroreflectometer

PRODUCT SUMMARY

The StripeMaster II portable retroreflectometer measures retroreflectivity of pavement markings per ASTM E1710 and EN 1436 utilizing the CEN 30-meter geometry. They also provide accurate measurements on wet (per ASTM E2176 and ASTM E217) or dry surfaces. The StripeMaster has an RS-232C interface that allows data to be downloaded into any traffic inventory system.

Collection of individual readings or an average of any number of readings is easily selected using the simple, intuitive user interface, making data collection simple and fast. Profiled markings up to 0.55 inches (14 mm) in height can be measured using either instrument.

The StripeMaster II is designed for quick and easy measurements with the touch of a button. This lightweight instrument comes with wheels to make the measurement process a breeze. Measurements can be made in 0.2 seconds and the instrument is ready for the next measurement in less than 2 seconds. This means the user spends less time on the road, which increases worker safety.

The internal memory will store up to 10,000 measurements before downloading to a computer. The data transfer is simple with our data logging software. The software from The StripeMaster connects to any standard computer using an RS-232C interface.

The StripeMaster II has internal GPS and printer. This allows the field user to quickly verify the data printout. The user can also plot the data on a clickable and printable map to quickly identify problem areas that need attention using our mapping software.

The StripeMaster II comes with a tile calibrated in our world-class photometric lab. The calibration is directly traceable to the American national standards lab, and the equipment used is held to the level of accuracy to ensure compliance with ANSI/NCSL Z540-1-1994. The calibration standard allows for measurements of white and yellow pavement markings without the need for recalibration.



FEATURES

- *ASTM E1710 and EN 1436 compliant*
- *Measures retroreflectivity of white and yellow pavement markings*
- *Measures profiled and flat markings*
- *Measures on dry, wet or continuous rain surfaces without additional attachments*
- *Light weight for easy handling*
- *Convenient trigger height for single hand operation and minimizes operator fatigue*
- *Top-mounted LCD permits direct viewing of readings*
- *Removable battery pack and 1-hour charger*
- *Stores up to 10,000 data points*
- *Internal printer on StripeMaster II*
- *Internal GPS on StripeMaster II*
- *Microprocessor- controlled calibration and auto-zero*
- *Measurements and calibrations are not affected by ambient conditions*
- *No light trap needed for calibration*
- *Calibration standard traceable to the USA national standards lab*
- *Quick turn-on and rapid repeat readings*
- *Removable wheels for extended measurements*
- *Stabilizer supplied for rough surface situations*
- *Foam-lined watertight carrying case*
- *Computer interface with user-friendly GIS Mapping software*

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PRODUCT SPECIFICATION

Geometry

StripeMaster II (part number 75000)

GPS	12-Channel WAAS Enabled
Printer	Direct Thermal, 2 inch (50mm) roll paper
Instrument	37" x 10.5" x 4.4" (93cm x 27cm x 11cm)
Carrying Case	46" x 18" x 6" (117cm x 46cm x 15cm)
Instrument Weight	21lbs (9.5kg)

Specifications

Entrance Angle	88.76° (ASTM E 1710)
Illumination Angle	1.24° (EN 1436)
Observation Angle	1.05° (ASTM E 1710)
Observation Angle	2.29° (EN 1436)
Field of Measurement	2.4 x 7.9 inches (60 x 200 mm)
Wet Measurements	Meets ASTM E2176 and ASTM E2177
Detector/Light Source Response	Meets ASTM E 1710, paragraph 6.3.2
Range (mcd/m ² /lx)	0-2000
Profiled Markings	Up to 0.55 inches (14 mm) can be measured
Data Memory	10 000 measurements
Computer Interface	RS-232C
Power Supply	removeable 12 VDC, 2.4 Ah NiMH battery (DeWalt P/N DC9071)
Charger	110 VAC, 60 Hz (add -1 after part number) 12 VDC cigarette lighter (add -2 after part number) 220 VAC, 50 Hz (add -3 after part number)
Operating Temperature	0°C to 50°C (32°F to 122°F)
Operating Humidity	0 to 95% non-condensing
Wheels	User installed, included in carry case
Automatic Shutoff	5 minutes if inactive
Display:	2 x 16 character LCD



Accessories

Standard Accessories

- Foam-lined Carrying Case
- Battery Charger
- Two (2) Batteries
- Calibration Standard
- Stabilizer Bar
- Removable Wheels
- Data Transfer Cable for computer
- Windows Software with Mapping



Optional Accessories

- Annual Calibration Service
- Calibration Certificate