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A Screening Eagle Company



Zehntner Marking Retroreflection

ZRM 6010 RL

Night visibility. Continuous wetting and rain conditions.

Versatility

Gather data for night visibility effectively under any weather conditions, at day or night, on any road surface

Accuracy

Telescopic handle for easy field and laboratory operation —the result is a new benchmark of measurement accuracy and robustness under any conditions in the field

Productivity

Enrich your measurements with precise geolocation and high resolution images. The user friendly analysis software makes comprehensive reports possible quickly and with ease













Instrument
Tech Specs

Technology	GPS, internal printer
Display	Touchscreen 5.7" color TFT (LCD), LED backlight, VGA resolution
Memory	1 GB internal flash memory
Measurement Modes	R_L dry (night visibility) R_L wet (night visibility) R_L continuous wetting (night visibility) °C/°F (ambient temperature) rH % (relative humidity)
Measuring Area	(WxL): 52mm x 489mm (2.05" x 19.25")
Measuring Range	R_L: 0 - 4'000 mcd•m^{-2}•lx^{-1}
Measuring Accuracy	Repeatability ± 2 %
Observation Angle	EN 1436: 2.29° ASTM E1710: 1.05°
Illumination Angle	EN 1436: 1.24° ASTM E1710: 88.76°
Reporting software	Includes mapping and data analysis software MappingTools
Weight	6.4kg (14.11 lbs)
Operating Temperature	0°C to +50°C (32°F to 122°F), non condensing

Standards & Guidelines	Description
ASTM E1710-18	Standard Test Method for Measurement of Retroreflective Pavement Marking Materials with CEN-Prescribed Geometry Using a Portable Retroreflectometer
ASTM E2177	Standard Test Method for Measuring the Coefficient of Retroreflected Luminance (RL) of Pavement Markings using the Bucket Method in a Condition of Wet Recovery
ASTM E2832-12(2017)	Standard Test Method for Measuring the Coefficient of Retroreflected Luminance of Pavement Markings in a Standard Condition of Continuous Wetting (RL-2)
CIE 54.2	
DB 51 T2429	
EN 13197	
EN 1436	
GB/T 16311 (United Kingdom)	
GB/T 21383 (United Kingdom)	
JT/T 690	

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