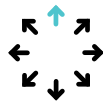




Zehntner Marking Retroreflection ZRM 6014 RL-Qd

Day and night visibility measurement of road markings with retroreflectometry



Versatility

Fold-away telescopic handle and wheels standard allowing for superior portability. Gather data for night and day visibility effectively, anytime and on any road surface.



Accuracy

Intelligent electronics paired with Swiss Made optics deliver a new benchmark of measurement, accuracy, and ultrafast retroreflection measurement (RL and Qd) in about 2 seconds



Productivity

Refine your measurements with precise geolocation and high-res images. The user-friendly software makes comprehensive reports quickly and with ease.



Instrument
Tech Specs

Technology	High-resolution Camera Optional compass and level-meter GPS, internal printers
Display	Touchscreen 5.7" colour TFT (LCD), LED backlight, VGA resolution
Memory	1 GB internal flash memory
Measurement Modes	R _L dry (night visibility) R _L wet (night visibility) Qd (day visibility) °C/°F (ambient temperature) rH % (relative humidity)
Measuring Area	(WxL): 52 mm x 218 mm (2.05" x 8.58")
Measuring Range	R _L : 0 - 4'000 mcd·m ⁻² ·lx ⁻¹ Qd: 0 - 400 mcd·m ⁻² ·lx ⁻¹
Measuring Accuracy	Repeatability ± 2 %
Observation Angle	EN 1436 & ASTM E2302: 2.29° ASTM E1710: 1.05°
Illumination Angle	R _L : EN 1436: 1.24° R _L : ASTM E1710: 88.76° Qd: diffuse
Reporting software	Includes mapping and data analysis software MappingTools
Weight	7.6 kg (16.76 lbs)
Operating Temperature	-10°C to +50°C (14°F to 122°F)

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 E2302	
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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