

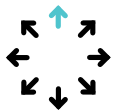


## Zehntner Marking Retroreflection **ZRM 6014 RL-Qd**

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Day and night visibility measurement of road markings with retroreflectometry

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### 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 <sub>L</sub> dry (night visibility) R <sub>L</sub> 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 <sub>L</sub> : 0 - 4'000 mcd·m <sup>-2</sup> ·lx <sup>-1</sup> Qd: 0 - 400 mcd·m <sup>-2</sup> ·lx <sup>-1</sup>
Measuring Accuracy	Repeatability ± 2 %
Observation Angle	EN 1436 & ASTM E2302: 2.29° ASTM E1710: 1.05°
Illumination Angle	R <sub>L</sub> : EN 1436: 1.24° R <sub>L</sub> : 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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