



## Zehntner Marking Retroreflection **ZRM 6013+ RL-Qd**

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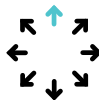
Professional retroreflectometer for day and night visibility

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### Efficiency

Ultrafast retroreflectometer measurement (RL and Qd) in about 2 seconds for all types of road markings



### Versatility

Use in dry or wet conditions at any time of day or night on the road or in the laboratory



### User Experience

5.7" high resolution colour touchscreen with excellent visibility under all light conditions



## Instrument

### Tech Specs

Display	Touchscreen 5.7" color 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) 52mm x 218mm (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
Weight	6.8kg (14.99 lbs)
Operating Temperature	-10°C to +50°C (14°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 E2302	
CIE 54.2	
EN 13197	
EN 1436	

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