

Zehntner Marking Retroreflection

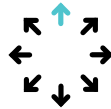
ZRM 6006 RL-Qd

An entry-level and easy to use retroreflectometer



Ease of use

Entry-level device, ideal for measuring night visibility (RL) and day visibility (Qd) of road markings and ambient temperature with a touch of a button



Versatility

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



Efficiency

Use in dry or wet condition, day or night, on the road or in the laboratory



Instrument Tech Specs

| | |
|------------------------------|--|
| Display | Transflective luminous LCD display with LED backlight |
| Memory | None |
| 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): 52mm x 218mm (2.05" x 8.6") |
| 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 |
| Weight | 6.4kg (14.1 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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