

ZRM 6006



ZRM 6006 Retroreflectometer R_L /Qd

- Budget priced user-friendly entry level retroreflectometer with one button operation for measuring night visibility (R_L) and day visibility (Qd) of road markings as well as ambient temperature ($^{\circ}\text{C}/^{\circ}\text{F}$) and relative humidity (rH %)
- Focussed on the core functions to keep the reflectometer simple and inexpensive
- Ultrafast retroreflection measurement (R_L and Qd) in about 2 seconds
- For all types of road markings
- The ZRM 6006 Retroreflectometer is in accordance with EN 1436 (R_L /Qd), ASTM E1710 (R_L), ASTM E2302 (Qd), ASTM E2177 (R_L wet)
- The retroreflectometer factory calibration is traceable to the independent accreditation body METAS, Switzerland
- The retrometer is approved by the accredited association StrAus-Zert, Germany (test No. 0913-2011-03)

ZRM 6006 Retroflektometer R_L /Qd

- Das preiswerte Einsteiger-Retroflektometer mit benutzerfreundlicher Ein-Knopf-Bedienung zur Messung der Nachtsichtbarkeit (R_L) und Tagesichtbarkeit (Qd) von Fahrbahnmarkierungen sowie der Umgebungstemperatur ($^{\circ}\text{C}/^{\circ}\text{F}$) und der relativen Luftfeuchtigkeit (rF %)
- Konzentration auf die wichtigsten Funktionen um das Reflektometer einfach und kostengünstig zu halten
- Blitzschnelle Messung der Retroreflexion (R_L und Qd) in etwa 2 Sekunden
- Für alle Arten von Fahrbahnmarkierungen
- Das ZRM 6006 Retroflektometer entspricht EN 1436 (R_L /Qd), ASTM E1710 (R_L), ASTM E2302 (Qd), ASTM E2177 (R_L nass)
- Die Retroflektometer-Werkskalibrierung ist rückführbar auf die Akkreditierungsstelle METAS, Schweiz
- Das Retrometer ist geprüft von der akkreditierten Zertifizierungsgemeinschaft StrAus-Zert, Deutschland (Prüf-Nr. 0913-2011-03)

The Zehntner-Retroreflector ZRM 6006 measures the night visibility (R_L) of road markings as seen by a vehicle driver driving with dipped headlight. The illumination simulates the dipped headlights of a vehicle. The day visibility (Q_d) of road markings under typical daylight or under street lighting is measured with diffused illumination. This makes an objective determination of retroreflection.

Application areas

- For road authorities, road laboratories, manufacturers of road marking materials, contractors and expert witnesses
- Determination of night (R_L) and day visibility (Q_d) of road markings in dry or wet condition as well as ambient temperature and relative humidity, at any time of day or night, on the road or in the laboratory
- For all types of road marking paints, marking tapes, thermoplastic and cold plastic materials - whether smooth, textured, profiled, coloured, with or without aggregates / reflective beads
- Getting the best value - control of road markings after application and during the warranty period
- Checking for road marking maintenance
- For jurisdictionally relevant measurements in case of litigation

Standard delivery

- 1 battery operated retroreflector
- 1 calibration standard
- 1 universal battery charger (100V to 240V, 50Hz to 60Hz)
- 1 certificate of manufacturer
- 1 certificate of calibration
- 1 carrying case with wheels

Options

- ACC1097 extended handle with measuring button

Technical specification

Equivalent observation distance	30 m	Äquivalente Messentfernung
Observation angle	EN 1436: 2.29°, ASTM E1710: 1.05°	Beobachtungswinkel
Illumination angle R_L	EN 1436: 1.24°, ASTM E1710: 88.76°	Beleuchtungswinkel R_L
Illumination angle Q_d	diffuse / diffus	Beleuchtungswinkel Q_d
Measuring sensor adaption	$V(\lambda)$	Mess-Sensor-Anpassung
Measuring area (WxL)	52 mm x 218 mm (2.05" x 8.58")	Messfläche (BxL)
Measuring range (R_L)	0 - 4'000 mcd•m ⁻² •lx ⁻¹	Messbereich (R_L)
Measuring range (Q_d)	0 - 400 mcd•m ⁻² •lx ⁻¹	Messbereich (Q_d)
Measuring range profiled markings	up to 5 mm (0.2"); up to 12 mm (0.5") with instruction / bis 12 mm mit Anleitung	Messbereich Profil-markierungen
Measuring time R_L/Q_d	=2 s	Messdauer R_L/Q_d
Memory capacity	none / keine	Speicherkapazität
Display	transflective luminous graphical LCD display with LED backlight / transflektives grafisches LCD Display mit LED Hintergrundbeleuchtung	Anzeige
Accumulator	Li-Ion-Mn 14.8 V / 6.3 Ah	Akku
Operating temperature	-10°C - +50°C (14°F - 122°F), non condensing / nicht kondensierend	Betriebstemperatur
Storage temperature	-20°C - +60°C (-4°F - 140°F)	Aufbewahrungstemperatur
Material housing	anodised aluminium / Aluminium eloxiert	Werkstoff Gehäuse
Dimensions (LxWxH)	560 mm x 190 mm x 280 mm (22" x 7.5" x 11")	Dimensionen (LxBxH)
Weight	6.4 kg (14.11 lbs)	Gewicht
Standards	EN 1436 (R_L/Q_d), ASTM E1710 (R_L), ASTM E2302 (Q_d), ASTM E2177 (R_L wet / nass)	Normen
Warranty	2 years / Jahre	Gewährleistung



Your Solution To Testing Instrument

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