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Zehntner Sign Retroreflection

ZRS 6060

Visibility measurement of traffic and road signs and reflective materials

Versatility

Superior ergonomics and screen readability, thanks to the adjustable display. Quality-assure the night visibility of traffic signs, safety garments, conspicuity tapes, and other reflective materials.

Accuracy

Intelligent electronics work together with Swiss Made optics to monitor the environment and adjust to stray light. The result is a new benchmark of accuracy and robustness under any conditions in the field.

Productivity

Enrich your measurements with precise geolocation and high-resolution images. The user-friendly and intuitive analysis software makes comprehensive reports possible quickly and with ease













Instrument
Tech Specs

Configuration	Innovative options to customize the reflectometer to personal requirements: integrated 5-megapixel camera, WAAS GPS-unit, handles and many more
Technology	LED illumination system 3.5” colour touchscreen with adjustable display inclination for excellent visibility under all light conditions Measurement of three different observation angles at the same time
Display	3.5” colour TFT (LCD), LED backlight, HVGA resolution
Memory	Internal flash memory of 1 GB ≈ 1’000’000 measurements without pictures
Connections	Host USB (type A, Client Mini USB)(type B)
Measuring Range	0 - 2’000 $cd \cdot lx^{-1} \cdot m^{-2}$
Reporting software	Includes mapping and data analysis software MappingTools
Calibration Accuracy	Factory calibration traceable to the independent Swiss Federal Institute of Metrology METAS
Weight	1.9 kg (4.19 lbs) net without options
Battery	Li-Ion 14.4 V / 6.5 Ah
Operating Temperature	-10 to +50°C (14 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ASTM E1809 (Withdrawn 2010)	
ASTM E2540	
DIN 67520	
ECE 104	ECE 104 is the regulation outlining the technical requirements to approved retroreflective marking tapes for trucks and trailers in Europe. The materials are divided in 3 classes: Class "C": Material...
EN 12899-1	
ISO 20471	
MUTCD	

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