

Zehntner® Road



Visibility measurement of **traffic signs and reflective materials** with retroreflectometry



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.

Zehntner® ZRS 6060

Measurement parameters

Technology	External-beam retroreflectometry
Applications	Measurement of coefficient of retroreflection R_A and R'
Measurement modes	Illumination angles β_1 Illumination angle β_2 Observation angles α
Surfaces	Traffic signs Safety garments Personal Protective Equipment (PPE) Conspicuity tapes Other reflective materials
Measurement range	0 – 2000 mcd·m ⁻² ·lx ⁻¹
Repeatability	±2%
Reproducibility	±5%
Measuring area	25 mm / 0.98 in

Features

Special features	Automatic color indication Ultra-fast, 3-second measurement Angle-adjustable telescopic handle
Visualization features	Integrated high-resolution camera (9.5x zoom)** Map View (in MappingTools software)
Documentation features	MappingTools software Data export to XLS, KMZ Reporting export to XLS

*included in Pro and Advanced version

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Device parameters

Display	5.7" touchscreen, color TFT (LCD); LED backlight; HVGA resolution
Memory	Internal flash memory 1 GB; 1 million measurements (without pictures)
Connectivity	Host USB (type A), Client Mini USB (type B)
Dimensions	220 x 85 x 290 mm / 8.7 x 3.4 x 11.4 in
Weight	1.9 kg / 4.2 lbs
Standards compliance	ASTM E1709 ASTM E2540 ASTM E1809 (withdrawn 2010) CUAP 01.06/04 DIN 67520 EN 12899-1 BS EN 12899 Annex A ISO 20471 MUTCD ECE 104

Operating parameters

Built-in battery	Li-Ion; 14.4 V; 6.5 Ah
Autonomy	12 – 16 h, depending on use
Certification	StrAus-Zert (test No. 0913-2018-02)
Operating temperature	-10 to 50 °C (14 to 122 °F) During charging: 0 to 40° C (32 to 104 °F)
Operating humidity	<95% RH, non-condensing
Storage temperature	-20 to 55 °C (-4 to 131 °F)

Accessories

Portable printer
Extendable handle
Barcode reader

