

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 - 2'000 $\text{cd}\cdot\text{lx}^{-1}\cdot\text{m}^{-2}$ |
| Repeatability | $\pm 2\%$ |
| Reproducibility | $\pm 5\%$ |
| 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

**included in Advanced version

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| Standards compliance | ASTM E1709 ASTM E2540 ASTM E1809 (withdrawn 2010) CUAP 01.06/04 DIN 67520 EN 12899-1 BS EN 12899 Annex A ISO 20471 MUTCD ECE 104 |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

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|-----------------------|---|
| Built-in battery | Li-Ion; 14.4 V; 6.5 Ah |
| Autonomy | 12 – 16 h, depending on use |
| Certification | StrAus-Zert 0913-2016-09 |
| 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 | |

