

# Zehntner Road



ZRM 6014

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Night and day visibility measurement of **road markings**  
with retroreflectometry

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## Versatility

Superior portability and intuitive.  
Feature-rich software.  
Gather data for night and day  
visibility effectively, anytime and  
on any road surface.



## Accuracy

Intelligent electronics paired with  
Swiss Made optics deliver a new  
benchmark of measurement,  
accuracy, and robustness,  
under any conditions in the field.



## Productivity

Refine your measurements with  
precise geolocation and high-res  
images. The user-friendly  
software makes comprehensive  
reports quickly and with ease.

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## Measurement parameters

Technology	Internal-beam retroreflectometry
Applications	Measurement of day visibility Qd Measurement of night visibility R <sub>L</sub>
Measurement conditions	Dry and wet conditions
Measurement modes	Single Average With wet timer With interval timer (continuous)
Surfaces	Road markings Airport markings
Measurement range	R <sub>L</sub> : 0 – 4000 mcd·m <sup>-2</sup> ·lx <sup>-1</sup> Qd: 0 – 400 mcd·m <sup>-2</sup> ·lx <sup>-1</sup>
Repeatability	±2%
Reproducibility	±5%
Measuring area	52 x 218 mm / 2.1 x 8.6 in

## Features

Special features	Ultra-fast, 2-second measurement Extendable fold-away telescopic handle
Visualization features	Integrated high-resolution camera (9.5x zoom)** Map View (in MappingTools software)
Documentation features	Integrated GNSS*, compass**, level-meter** 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; VGA resolution
Memory	Internal flash memory 1 GB; 1 million measurements (without pictures)
Connectivity	Host USB (type A), Client Mini USB (type B)
Dimensions	659 x 190 x 409 mm / 25.9 x 7.5 x 16.1 in
Weight	7.6 kg / 16.8 lbs
Standards compliance	ASTM E1710 (R <sub>L</sub> dry) ASTM E2177 (R <sub>L</sub> wet) ASTM EE2302 (Qd) EN 1436 (R <sub>L</sub> dry, R <sub>L</sub> wet) EN 13197 JT/T 690 GB/T 16311 GB/T 21383 DB 51 T2429

## 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 60 °C (-4 to 140 °F)

## Accessories

Portable printer
2 <sup>nd</sup> calibration standard
Voltage converter 150 W

