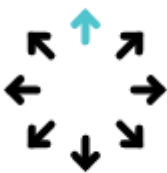# Zehntner ZRM
Retroreflectometer

The industry standard for day and night visibility measurements of road markings

Versatility

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 ultrafast retroreflection measurement (RL and Qd) in about 2 seconds

Productivity

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

Zehntner ZRM 6014

Ergonomic
Tiltable Display
Fully adjustable arm

17 Languages
Easy-to-use menu navigation

GPS
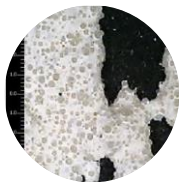Allows easy data evaluation
on Google Earth

Printer
Print a proof of result

Robust & Professional Housing

Resistant & Stable in the field

Macroscope Camera
Document glass beads
distribution

proceq
zehntner
zrm 6014

measuring area

Connectivity
Bluetooth® & USB cable

Compass
Always know in which lane
direction you are measuring

Tilt
Document the road tilt

Note: ZRM 6014 advanced shown on this page.
ZRM 6014 is available in three models basic, pro &
advanced depending on the chosen features. See Model
Overview on p.4 for related features to each model.
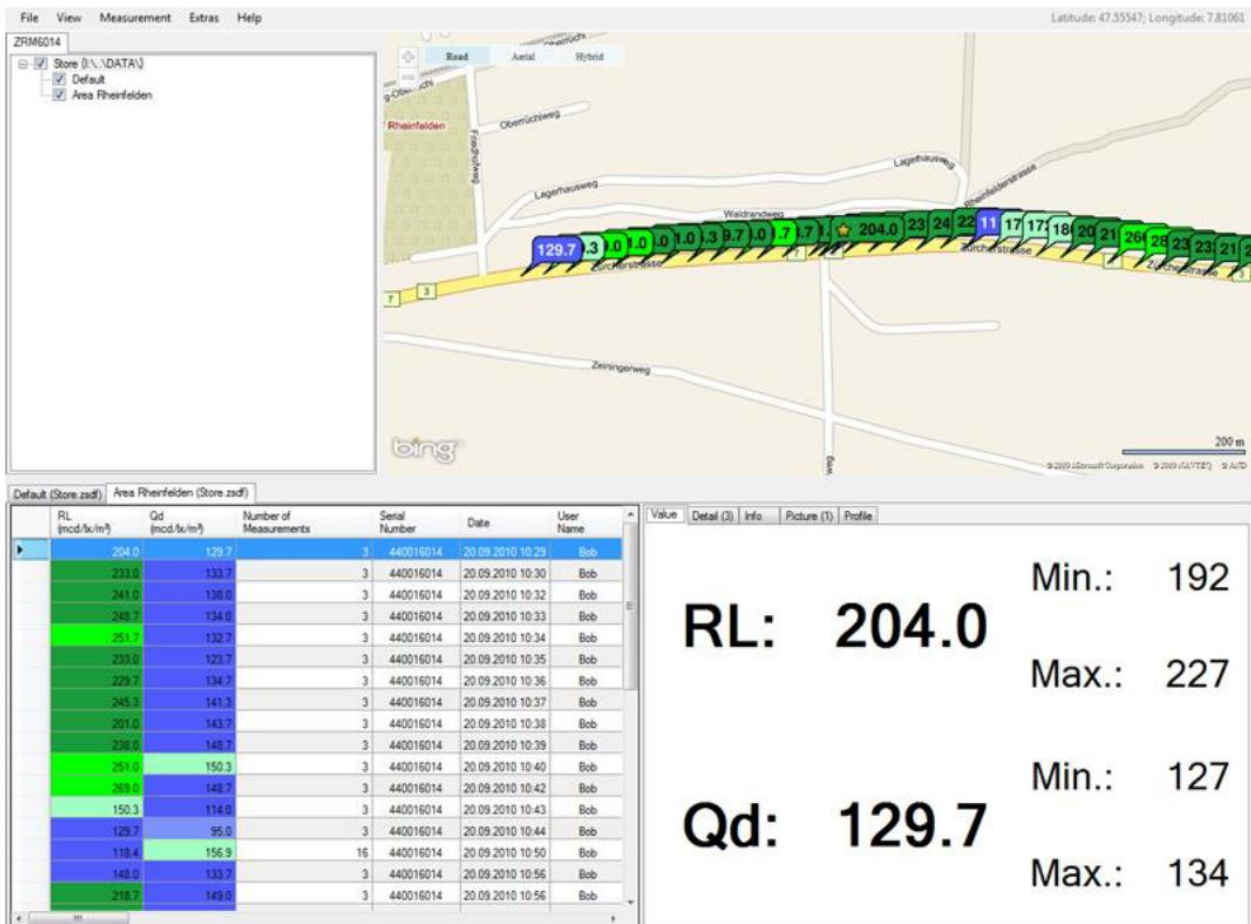
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SWISS MADE

SCREENING EAGLE | proceq

www.screeningeagle.com

Zehntner MappingTools
For ZRM 6013+ & ZRM 6014

The complementary MappingTools, versatile mapping and data analysis software makes administration & analysis of your measurements simple and easy. View your data, create PDF reports, export your data to XLS or to KMZ format to display your data with Google Earth™.

MappingTolls is compatible with Windows® 10, Windows® 8, Windows® 7, Windows Vista® & Windows® XP SP2.

Zehntner ZRM
Model Overview

Features		ZRM6006	ZRM6013+	ZRM6014
Measurements	RL	●	●	●
	Qd	●	●	●
Measurement Modes	Single Measurement	●	●	●
	Average of multiple measurements		●	●
	Wet timer		●	●
Data handling	Build in data storage		●	●
	Data transfer to PC with USB		●	●
	Data transfer to PC with Bluetooth			●
	Data management software		●	●
PRO Features	GPS		○	○
Advanced Features	Build-in printer		○	○
	Camera			○
	Compass			○
	Level meter			○
Handle	Short	●	●	
	Short / Long (adjustable)			●
Wheels				●

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Zehntner ZRM
Specifications

			ZRM6006	ZRM6013+	ZRM6014
Measuring	Area	WxL		52 x 218 mm	
	Range	RL		$0 - 4'000 \text{ mcd} \cdot \text{m}^{-2} \cdot \text{lx}^{-1}$	
		Qd		$0 - 400 \text{ mcd} \cdot \text{m}^{-2} \cdot \text{lx}^{-1}$	
	Repeatability			± 2 %	
	Measuring time	RL/Qd		≈2 s	
		Single		≈1 s	
	Measuring range	Profiled markings		up to 12 mm	
Optical system	Observation Angle	EN 1436 & ASTM E2302		2.29°	
		ASTM E1710		1.05°	
	Equivalent observation distance			30 m, according to CEN-geometry	
	Illumination Angle RL	EN 1436		1.24°	
		ASTM E1710		88.76°	
	Illumination Angle QD			diffuse illumination	
Display			Transflective luminous LCD display with LED backlight	Touchscreen 5.7" color TFT (LCD), LED backlight, VGA resolution	
Data	Memory capacity		NA	1 GB internal flash memory	
			NA	1'000'000 measurements	
	Data Interface		NA	Host USB (type A)	Host USB (type A) & Bluetooth
	PC Software		NA	MappingTools	
Camera	Resolution		NA	NA	5-megapixel
	Picture Size		NA	NA	2592 x 1944 px
	Picture Format		NA	NA	jpg
Operating Temperature				-10°C to +50°C, non condensing	
Material housing				anodised aluminium	
Weigth			6.4kg	6.8kg	7.6 kg
Dimensions			560 x 190 x 280 mm		658.5 x 190 x 408.5 mm

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