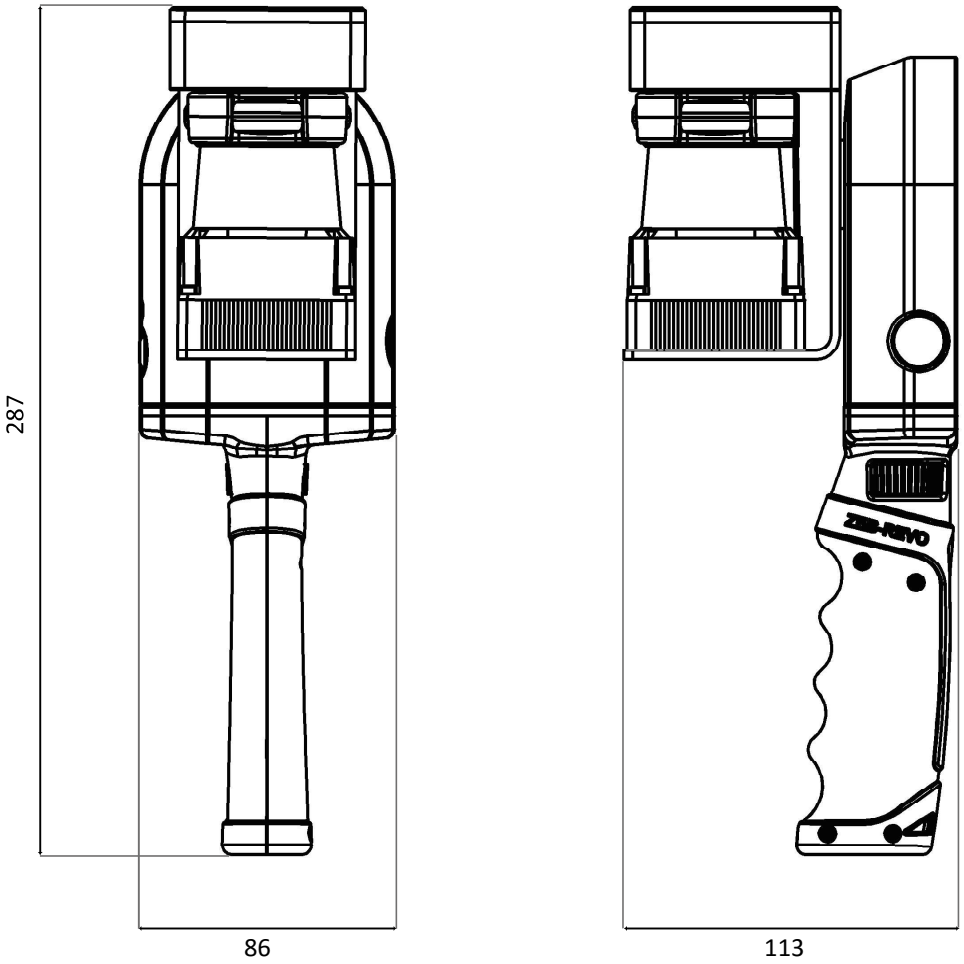
ZEB-REVO

Handheld Laser Scanner

- Lightweight
- Easy to operate
- Rapid data capture
- +/- 0.1% accuracy
- Online processing
- Desktop processing
- Automatic registration
- Pay-as-you go





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ZEB-REVO

System Features

Maximum Range	30m*
Data Acquisition Rate	43,200 points/sec
Resolution	0.625° horizontal, 1.8° vertical
Angular FOV	270° x 360°
Supply Voltage	12VDC ± 10%
Supply Current	Max 1.5A, normal 1.0A
Power Consumption	Less than 20W
Operating Temperature	0° to +50 °C
Operating Humidity	<85% RH
Mounting Operation	Removable handle provided, can also be pole or vehicle-mounted

**Maximum range to Kodak white card indoors (90% reflectivity)*

Outdoors range may be reduced to 15-20m depending on environmental conditions

Sensor

Laser Safety Class	Class 1 Eye Safe
Laser Wavelength	905nm
Scanner Line Speed	100Hz
Scanner Resolution	0.625° horizontal
Rotation Speed	0.5Hz

Battery

Battery Type	Lithium Polymer (LiPo)
Capacity	8Ah +/- 5%
Nominal Voltage	12V
Battery Life	4 hours (continuous use)
Charge Time	8 – 12 hours
Battery Lifespan	300+ cycles
Chargers Supplied	UK, USA, EU & AUS
Weight	600g

Data

Data Storage Capacity	55GB
Raw data file size	~10MB for every 1 min scanning
Processed data file size	~8MB for every 1 min scanning
Default output file format	.LAZ (compressed .LAS)
Compatibility	Unzipped .LAS data compatible with all major CAD software packages

Accuracy

Relative Accuracy	2 – 3cm
Absolute Position Accuracy	3 – 30cm (10 mins scanning, 1 loop)

A number of environmental factors can influence trajectory accuracy, including:

- *Extremely smooth or blank surfaces*
- *Moving objects (i.e. people or vehicles)*
- *Feature-poor environments (i.e. corridors)*
- *Precipitation*
- *Failure to close the loop*

Under optimum indoor conditions, greater accuracy can be achieved than that stated above.

Casing

IP Rating	IP64 (dust-tight, splash-proof)
Cable Connectors	LEMO multi pin
Weight (scanner)	1.0kg
Weight (total system)	4.1kg
Dimensions (scanner)	86 x 113 x 287 mm
Dimensions (backpack)	180 x 220 x 470 mm

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