Product data sheet

LASE
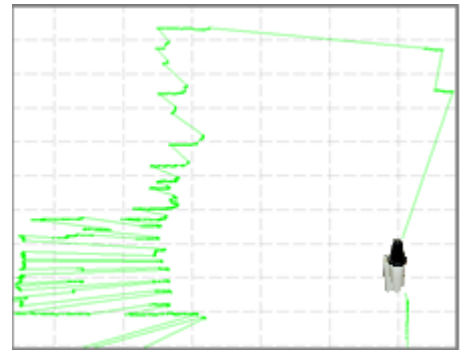PeCo Systemtechnik GmbH

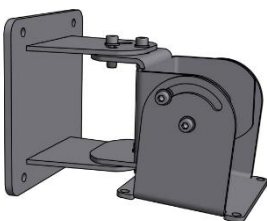# LASE 2000D-138

Long-range outdoor scanner

Features und advantages:

- Contactless long-range 2D-profile measurements
- Outdoor-applicable by integrated heating-system
- Range of 80 m on dark natural targets
- Range up to 250 m on natural targets
- High accuracy, resolution and measuring rate
- Interfaces RS-422; Ethernet TCP/IP,CAN BUS
- Build in self test (BIST)
- Rugged design – IP 67
- 2 echo technology

- High performance in several applications

- Laser measuring-sensor with highest accuracy in its class

- Fast and reliable detection of objects in nearly all environments

- Large range of different product-types and series for all
  requirements regarding performance and costs

- Quick and easy adjustment by Engineering Tool

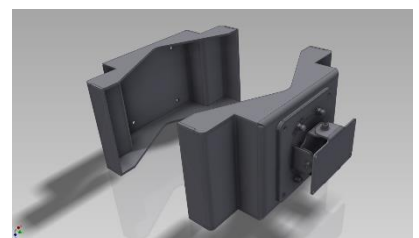- Self-Check functionality for an enhancement of system availability

2D-measuring profile
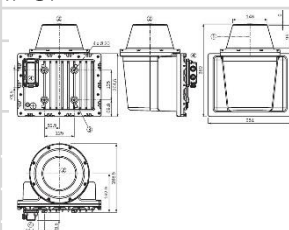
Pylon bracket +/-90° bendable

Mounting plate

Pipe bracket

LASE 2000D-138

Long-Range Outdoor Scanner

LASE
PeCo Systemtechnik GmbH

Technical data:

Features

Version	Long Range	Outdoor
Operating range	2,5m ... 250m	
Range	2,5m ... 80 m	for 10 % Remission
Divergence (Spot size)	5.0 mrad	
Light source	Infrared	(905 nm)
Laser class	Class 1	EN/IEC 60825-1:2014; eyesafe

Scan-/ and profile measurement

Opening angle	Max. 360°	
Angular resolution	0.0625° (raw data mode), 0.125°, 0.1875°, 0.25°, 0.375°, 0.5°, 0.75°, 1°	
Angular frequency	5-15 Hz	

Interfaces

Ethernet	100 Mbit/s	TCP/IP
Serial data transmission	19200 Baud ... 115200 Baud	RS-422
Switching outputs	1	synchronisation

Mechanics / electronics

Electrical connection	1 x 20-poliger Harting-connector	
Operating voltage	DC 24V +/- 15%	
Power consumption	36 W (without heating) + 140 W heating At start shortly 2,1 A	typical
Protection class	III	IP 67
Dimensions (L x W x H)	250 x 350 x 391.1 mm	
Weight	9.1 kg	

Ambient data

Ambient operating temperature	-25° C ... +50° C
Storage temperature	-20° C ... +70° C
Max. relative air humidity	5 ... 85 %, non-condensing

CONTACT

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D-46485 Wesel
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Fax: 0281 / 9 59 90-111
Email: security@lase-peco.com
www.lase-peco.com

We are certified to:

TÜV SÜD

We are member in:

VfS Verband für Sicherheitstechnik e.V.   VSM   BHE
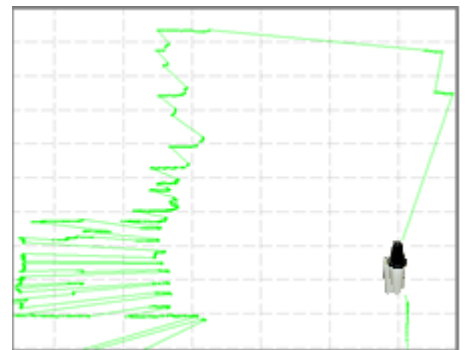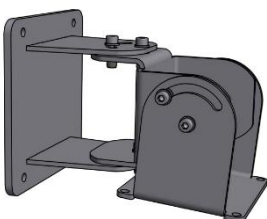
LASE 2000D-139

Long-range outdoor scanner

Features und advantages:

- Contactless long-range 2D-profile measurements
- Outdoor-applicable by integrated heating-system
- Range of 120 m on dark natural targets
- Range up to 250 m on natural targets
- High accuracy, resolution and measuring rate
- Interfaces RS-422; Ethernet TCP/IP,CAN BUS
- Build in self test (BIST)
- Rugged design – IP 67
- 2 echo technology

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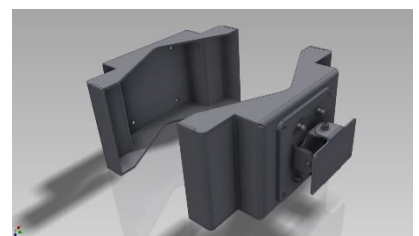- Self-Check functionality for an enhancement of system availability

2D-measuring profile

Pylon bracket +/-90° bendable

Mounting plate

Pipe bracket

Technical data:

Features

Version	Long Range	Outdoor
Operating range	5m ... 250m	
Range	5m ... 120 m	for 10 % Remission
Divergence (Spot size)	5.0 mrad	
Light source	Infrared	(905 nm)
Laser class	Class 1	EN/IEC 60825-1:2014; eyesafe

Scan-/ and profile measurement

Opening angle	Max. 360°	
Angular resolution	0.0625° (raw data mode), 0.125°, 0.1875°, 0.25°, 0.375°, 0.5°, 0.75°, 1°	
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