



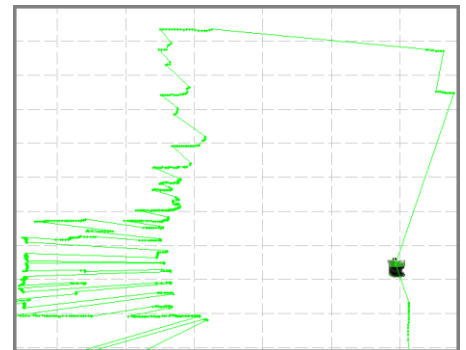
# LASE 2000D-141 Security

## 2D Laserscanner



### Features and benefits:

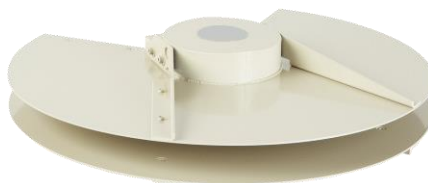
- Capable, efficient laser measuring sensor for an operating range up to 40m [100% reflectivity]
  - Operating range of 30 m on natural dark targets [10% reflectivity]
  - Outstanding performance even in adverserly weather conditions
  - Compact casing with International Protection Marking IP 67 and integrated heating
  - Fast signal processing
  - 2 switching inputs
  - 3 switching outputs [2x Relais, 1 x digital]
  - 2 echo technology
- 
- High accuracy and fast scan frequency
  - Extreme capable in numerous uses
  - Fast, reliable detection of objects in nearly all environmental conditions
  - Extensive product family with various product series and types for all demands regarding performance and costs
  - Best cost effectiveness in these sensor class
  - Fast and easy adjustment with the engineering tool
  - Self-Check-Function to enhance system availability



2D-measuring profile



Pylon bracket



Weather protection cover



Angle bracket for protection cover


### Technical data:

<b>Features</b>		
Operating range	0m ... 40m	
Range	0m ... 30 m	Range for 10 % reflectivity
Divergence [Spot size]	15 mrad	
Light source	Infrared	[905 nm]
Optical indicators	5 x LED	7-Segment Display
Laser class	Class 1	EN/IEC 60825-1:2014; eyesafe
Number of surveillance fields	10 fields	

<b>Scan- / and profile measurement</b>		
Aperture angle	270°	
Angular resolution	0,25° / 0,5°	
Scanning frequency	25 Hz / 50 Hz	

<b>Interfaces</b>		
Ethernet	10/100 Mbit/s	TCP/IP, OPC
Switching inputs	2	
Switching outputs	3	2 x Relais, 1 x digital

<b>Mechanics / electronics</b>		
Electrical connection	4 x M12-Round connector 1 x M8-Rundsteckverbinder	
Operating voltage	DC 24V +/- 20%	
Power consumption	8 W [without heating] + 35W heating	typical
Protection class	IP 67	DIN 60529
Dimensions [L x W x H]	106 x 102 x 162 mm	
Weight	1,1 kg	

<b>Ambient data</b>		
Ambient operating temperature	-40° C ... +60° C	
Storage temperature	-40° C ... +70° C [max. 24h]	
Ambient light immunity	40.000 lx	

**CONTACT**

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