



# Compact Lidar Scanner

958200002

LGS-N25

COMPACT LIDAR SCANNER

## OVERVIEW

Very Compact, reliable and rugged Lidar for navigation of automated guided vehicles and for object profiling available also for outdoor applications. Very easy to install and use.

- ToF technology on infrared laser
- 2D Measurement data for natural navigation and for object profiling
- 360° measurement for all-round scanning
- Very Compact design suitable also for smaller machines
- High precision and reliable measurement up to 25 meters
- Up to 225000 measured points per second
- Up to 25 Hz selectable rotation frequency
- 0.25° angle resolution
- Dimensions: 65 x 65 x 70 mm



## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	25 m
Minimum sensing distance (blind zone)	0.1 mt
Scan angle	360 °

## Application

Description	Compact lidar LGS-N25
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Functions	AGV Navigation Laser Scanner
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Configuration and monitoring interface	Generic web browser ; LGS Viewer
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## Outputs

Output type	IEEE 802.3u 100Mbps Ethernet
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Data Transmitted	angle of each measuring point with 0.25° of resolution  distance of each measuring point in mm  signal strenght of each measuring point ( 0-65535)  time stamp in ms each 24h/cycle  rotational frequency
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Ethernet connection	M12 4 pins M Key D
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## Electrical data

LED indicators	Power (Green) / Fault (Red)
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Emission	Laser Infrared
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## Mechanical data

Dimensions	65x65x70 mm
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Weight	<500 gr
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Connections	M12
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Operating temperature	-10 / +60 °C
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Material	Metal - Aluminium / PC
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## Generical Data

Network Interface	10/100 Mbit/s Ethernet
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Mechanical Protection	IP67
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