



# 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
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Minimum sensing distance (blind zone)	0.1 mt
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Scan angle	360 °
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## Application

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

## Outputs

Output type	IEEE 802.3u 100Mbps Ethernet
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
Ethernet connection	M12 4 pins M Key D

## Electrical data

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

## Mechanical data

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

## Generical Data

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