



Compact Lidar Scanner

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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

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 strength 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

General Data

Network Interface

10/100 Mbit/s Ethernet

Mechanical Protection

IP67

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