



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 |
|-------------|-----------------------|

| | |
|-----------|------------------------------|
| 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 |
|-------------|-----|

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|-----------------------|--------------|
| Operating temperature | -10 / +60 °C |
|-----------------------|--------------|

| | |
|----------|------------------------|
| Material | Metal - Aluminium / PC |
|----------|------------------------|

Generical Data

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

**Datasensing
S.r.l.**

Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail
info@datasensing.com

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