

SICK NAV350-3232

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2D LIDAR SENSORS

Features

Application Indoor

Light source 905 nm

Laser class 1 (IEC 60825-1:2014, EN 60825-1:2014+A11:2021)

Aperture angle

Horizontal 360°

Scanning frequency 8 Hz, $\pm 5\%$

Angular resolution

Horizontal 0.25°

Working range 0.5 m ... 250 m (0.5 m ... 70 m on reflectors)

Scanning range

At 10% remission factor 35 m

At 90% remission factor 100 m

Mechanics/electronics

Connection type 3 x M12 male connector/female connector

Supply voltage 24 V DC, $\pm 15\%$

Power consumption 36 W

Housing material Aluminum die cast

Housing color Light blue (RAL 5012)

Enclosure rating IP65

Protection class III

Weight 2.4 kg

Dimensions (L x W x H) 115 mm x 120.5 mm x 222 mm

MTBF 86 years

Safety-related parameters

MTTFD > 100 years

Performance

Detectable object shape Almost any

Systematic error ± 10 mm (RDI)

± 15 mm (Contour)

Statistical error 15 mm (Contour)

Reflector memory 12,000

Positioning accuracy ± 4 mm

Integrated application Navigation

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

Interfaces

Ethernet ✓ , TCP/IP

Data transmission rate 100 Mbit/s

Serial ✓ , RS-232

Data transmission rate 19.2 kBaud ... 115 kBaud

Digital inputs/outputs

Outputs 1 (digital)

Optical indicators 4 LEDs (status displays)

Ambient data

Ambient operating temperature 0 ° C ... +50 ° C

Storage temperature - 20 ° C ... +80 ° C

Permissible relative humidity 85 %, Non-condensing

Reflector marks (recommended) Stripes: width $\geq$ 80 mm, cylindrical: diameter $\geq$ 80 mm

General notes

Note on use The sensor does not constitute a safety component as defined by relevant legislation on machine safety.



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