



Laser scanners
LMS2xx / LMS200 / Indoor / Short Range

LMS200-30106



Model Name > [LMS200-30106](#)
Part No. > [1015850](#)



At a glance

- The large variety of versions available offer tailor-made solutions for indoor and outdoor tasks
- Non-contact optical measurement even over long distances
- Background or substrate has no effect on measurement
- Integrated field monitoring
- Various applications, e.g. object measurement, position measurement, navigation and area monitoring

Your benefits

- High target object speed possible
- Measurement objects require no special reflectivity properties
- Objects require no reflectors or marking
- Target object in any position
- Measurement data are available in real time and can be used for further calculation or control tasks
- No illumination of target object necessary
- Simple installation and commissioning
- Any mounting position

The product has been discontinued. Please follow the "replacement product" link for information about alternative products.



Features

Field of application:	Indoor
Version:	Short Range
Light source:	Infrared (905 nm)
MTBF:	80,000 h
Laser class:	1 (EN/IEC 60825-1), eye-safe
Field of view:	180 °
Scanning frequency:	75 Hz
Angular resolution:	0.25 ° 0.5 ° 1 °
Heating:	Optional via external heating plate
Operating range:	0 m ... 80 m
Max. range with 10 % reflectivity:	10 m

Fog correction: No

Performance

Response time: ≥ 13 ms
Detectable object shape: Almost any
Systematic error ¹⁾: ± 15 mm
Statistical error ²⁾: ± 5 mm
Integrated application: Field evaluation
Number of field sets: 2 field triples (6 fields)
Simultaneous processing cases: 1 (3 fields)

^{1) 2)} Typical value; actual value depends on environmental conditions.

Interfaces

Serial (RS-232, RS-422): ✓
Function (Serial (RS-232, RS-422)): Host, AUX
Data transmission rate (Serial (RS-232, RS-422)): RS-232: 9.6/19.2 kBd and RS-422: 9.6/19.2/38.4/500 kBd
Ethernet: -
CAN bus: -
PROFIBUS DP: -
PROFINET: -
DeviceNet: -
Switching inputs: 1
Switching outputs: 3
Optical indicators: 3 LEDs

Mechanics/electronics

Electrical connection: 2 x Interface plug with 9 pin D-Sub female connector (solder connection)
Operating voltage: ≤ 24 V DC ± 15 %
Power consumption: 30 W
Housing: Die-cast aluminum
Housing color: Light blue (RAL 5012)
Enclosure rating: IP 65
Protection class: II (VDE 0106/IEC 1010-1) ¹⁾
Weight: 4.5 kg
Dimensions: 156 mm x 155 mm x 210 mm

¹⁾ Insulated

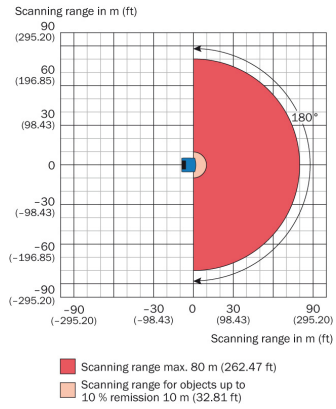
Ambient data

Object remission: 1.8 % ... 10,000 %
Electromagnetic compatibility (EMC): EN 61000-6-2/EN 61000-6-3/A11 (2004-07)
Vibration resistance: IEC 68
Shock resistance: IEC 68
Ambient operating temperature: 0 °C ... +50 °C
Storage temperature: -30 °C ... +70 °C, with heating plate -12 ... +50 °C
Permissible relative humidity: 90 %, non-condensing

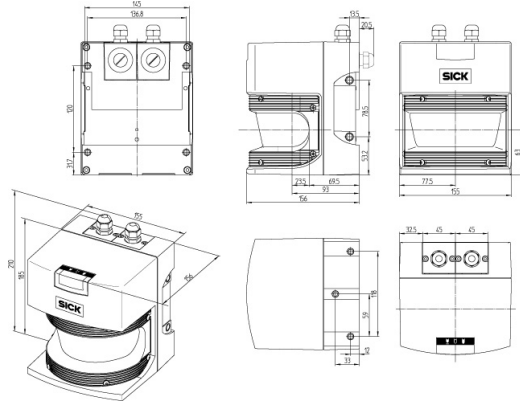
General notes

Note on use: Not suitable for personnel protection
Life cycle phase: Phased out

Operating range diagram



Dimensional drawing



Australia

Phone +61 3 9457 0600
1800 33 48 02 – tollfree
E-Mail sales@sick.com.au

Belgium/Luxembourg

Phone +32 (0)2 466 55 66
E-Mail info@sick.be

Brasil

Phone +55 11 3215-4900
E-Mail marketing@sick.com.br

Canada

Phone +1 905 771 14 44
E-Mail information@sick.com

Česká republika

Phone +420 2 57 91 18 50
E-Mail sick@sick.cz

China

Phone +86 4000 121 000
E-Mail info.china@sick.net.cn
Phone +852-2153 6300
E-Mail ghk@sick.com.hk

Danmark

Phone +45 45 82 64 00
E-Mail sick@sick.dk

Deutschland

Phone +49 211 5301-301
E-Mail info@sick.de

España

Phone +34 93 480 31 00
E-Mail info@sick.es

France

Phone +33 1 64 62 35 00
E-Mail info@sick.fr

Great Britain

Phone +44 (0)1727 831121
E-Mail info@sick.co.uk

India

Phone +91-22-4033 8333
E-Mail info@sick-india.com

Israel

Phone +972-4-6881000
E-Mail info@sick-sensors.com

Italia

Phone +39 02 27 43 41
E-Mail info@sick.it

Japan

Phone +81 (0)3 5309 2112
E-Mail support@sick.jp

Magyarország

Phone +36 1 371 2680
E-Mail office@sick.hu

Nederland

Phone +31 (0)30 229 25 44
E-Mail info@sick.nl

Norge

Phone +47 67 81 50 00
E-Mail sick@sick.no

Österreich

Phone +43 (0)22 36 62 28 8-0
E-Mail office@sick.at

Polska

Phone +48 22 837 40 50
E-Mail info@sick.pl

România

Phone +40 356 171 120
E-Mail office@sick.ro

Russia

Phone +7-495-775-05-30
E-Mail info@sick.ru

Schweiz

Phone +41 41 619 29 39
E-Mail contact@sick.ch

Singapore

Phone +65 6744 3732
E-Mail sales.gsg@sick.com

Slovenija

Phone +386 (0)1-47 69 990
E-Mail office@sick.si

South Africa

Phone +27 11 472 3733
E-Mail info@sickautomation.co.za

South Korea

Phone +82 2 786 6321/4
E-Mail info@sickkorea.net

Suomi

Phone +358-9-25 15 800
E-Mail sick@sick.fi

Sverige

Phone +46 10 110 10 00
E-Mail info@sick.se

Taiwan

Phone +886 2 2375-6288
E-Mail sales@sick.com.tw

Türkiye

Phone +90 (216) 528 50 00
E-Mail info@sick.com.tr

United Arab Emirates

Phone +971 (0) 4 88 65 878
E-Mail info@sick.ae

USA/México

Phone +1(952) 941-6780
1 (800) 325-7425 – tollfree
E-Mail info@sickusa.com

More representatives and agencies
at www.sick.com