



## Laser scanners LMS2xx / LMS211 / Outdoor / Mid Range

LMS211-S26



**Model Name** > [LMS211-S26](#)  
**Part No.** > [1044297](#)



#### 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
- Rugged housing
- Various applications, e.g. object measurement, position measurement, area monitoring and electronic toll systems
- Special versions for traffic applications available

#### 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: | Outdoor                      |
| Version:              | Mid Range                    |
| Light source:         | Infrared (905 nm)            |
| MTBF:                 | 50,000 h                     |
| Laser class:          | 1 (EN/IEC 60825-1), eye-safe |
| Field of view:        | 100 °                        |
| Scanning frequency:   | 75 Hz                        |

|                                    |                                                |
|------------------------------------|------------------------------------------------|
| Angular resolution:                | 0.25 °<br>0.5 °<br>1 °                         |
| Heating:                           | Yes, including additional front window heating |
| Operating range:                   | 0 m ... 80 m                                   |
| Max. range with 10 % reflectivity: | 30 m                                           |
| Fog correction:                    | Yes                                            |

## Performance

|                                   |                            |
|-----------------------------------|----------------------------|
| Response time:                    | ≥ 13 ms                    |
| Detectable object shape:          | Almost any                 |
| Systematic error <sup>1)</sup> :  | ± 35 mm                    |
| Statistical error <sup>2)</sup> : | ± 10 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):           | -           |
| Ethernet:                          | ✓           |
| Function (Ethernet):               | Host        |
| Data transmission rate (Ethernet): | 10/100 Mbit |
| Protocol (Ethernet):               | TCP/IP, UDP |
| CAN bus:                           | -           |
| PROFIBUS DP:                       | -           |
| PROFINET:                          | -           |
| DeviceNet:                         | -           |
| Switching inputs:                  | 1           |
| Switching outputs:                 | 3           |
| Optical indicators:                | 0           |

## Mechanics/electronics

|                        |                                            |
|------------------------|--------------------------------------------|
| Electrical connection: | 1 16-pin plug                              |
| Operating voltage:     | ≤ 24 V DC                                  |
| Power consumption:     | 30 W, + 140 W heating                      |
| Housing:               | Base plate aluminum diecast<br>Covering PU |
| Housing color:         | Gray (RAL 7032)                            |
| Enclosure rating:      | IP 67                                      |
| Protection class:      | III (EN 50178:1997-10)                     |
| Weight:                | 9 kg                                       |
| Dimensions:            | 248 mm x 351 mm x 265 mm                   |

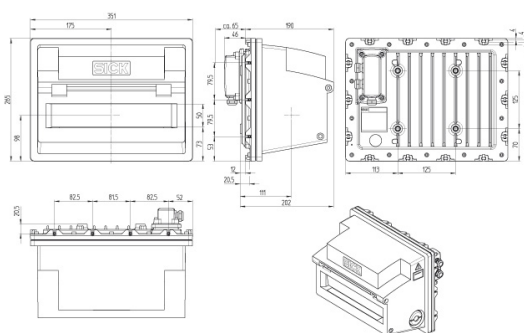
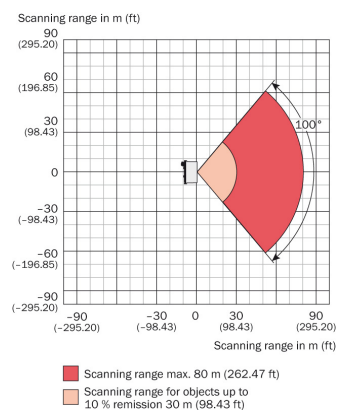
## Ambient data

|                                      |                                             |
|--------------------------------------|---------------------------------------------|
| 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:       | -30 °C ... 50 °C                            |
| Storage temperature:                 | -30 °C ... 70 °C                            |

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

Not suitable for personnel protection

## Phased out



**Australia**

Phone +61 3 9457 0600  
1800 334 802 – 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 sac@sick.com.br

**Canada**

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

**Ceská 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 kundenservice@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 +972-4-6801000  
E-Mail info@sick-sensors.com

**Italia**

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

**Japan**

Phone +81 (0)3 3358 1341  
E-Mail support@sick.jp

**Magyarország**

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

**Nederlands**

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

**Norge**

Phone +47 67 81 50 00  
E-Mail austefjord@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 admin@sicksgp.com.sg

**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 8865 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](http://www.sick.com)