

Laser Measurement Technology  
LD-LRS / Outdoor / Long-Range

LD-LRS3100



**Model Name** > [LD-LRS3100](#)  
**Part No.** > [1029042](#)



**At a glance**

- Long range, even for dark objects
- High angle resolution
- High ambient light compatibility
- Small spot diameter
- Up to 4 fields can be programmed

**Your benefits**

- Optimum installation position on diggers and cranes thanks to a long range
- High level of reliability when in poor environmental conditions
- Low installation costs due to large monitoring areas
- Small objects can be detected at long ranges
- Reliable detection of objects even at long distances



**Features**

Type:	Long-Range
Field of application:	Outdoor
Light source:	Infrared (905 nm)
Laser class:	1 (EN/IEC 60825-1), Eye-safe
Field of view:	300 °
Scanning frequency:	5 Hz ... 10 Hz
Operating range:	2.5 m ... 250 m
Max. range with 10 % reflectivity:	80 m
Heating:	yes
Fog correction:	Not necessary
Resolution:	3.9 mm

**Performance**

Detectable object shape:	no limitation
Systematic error:	± 38 mm
Statistical error:	± 30 mm

**Interfaces**

Serial (RS-422):	✓
Data transmission rate (Serial (RS-422)):	4,800 Baud ... 115,200 Baud
Ethernet:	✓
Data transmission rate (Ethernet):	10 MBit/s



**Australia**

Phone +61 3 9497 4100  
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 sac@sick.com.br

**Ceská Republika**

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

**China**

Phone +852-2763 6966  
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 +972-4-999-0590  
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

**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

**Republic of Korea**

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

**Republika Slovenija**

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

**România**

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

**Russia**

Phone +7 495 775 05 34  
E-Mail info@sick-automation.ru

**Schweiz**

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

**Singapore**

Phone +65 6744 3732  
E-Mail admin@sicksgp.com.sg

**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 +90 216 587 74 00  
E-Mail info@sick.com.tr

**United Arab Emirates**

Phone +971 4 8865 878  
E-Mail info@sick.ae

**USA/Canada/México**

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

More representatives and agencies  
in all major industrial nations at  
[www.sick.com](http://www.sick.com)