



Set-Bestandteil  
LMS1xx / Outdoor / Short Range

LMS111-10100S01

**Model Name** > [LMS111-10100S01](#)**Part No.** > [1047516](#)

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**Features**

Version:	Short Range
Field of application:	Outdoor
Light source:	Infrared (905 nm)
Laser class:	1 (IEC 60825-1 (2007-3))
Field of view:	270 °
Scanning frequency:	25 Hz/50 Hz
Angular resolution:	0.25 ° 0.5 °
Heating:	Yes
Operating range:	0.5 m ... 20 m
Max. range with 10 % reflectivity:	18 m
Fog correction:	Yes

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**Performance**

Detectable object shape:	Almost any
Systematic error:	± 30 mm
Statistical error:	± 12 mm

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**Interfaces**

Serial (RS-232):	1
Function (Serial (RS-232)):	Host, AUX
Data transmission rate (Serial (RS-232)):	9.6 Baud ... 115.2 kBaud
Ethernet:	1
Function (Ethernet):	Host
Data transmission rate (Ethernet):	10/100 Mbit
Protocol (Ethernet):	TCP/IP
CAN bus:	1
Function (CAN bus):	Outputs extension
PROFIBUS DP:	0
PROFINET:	0
DeviceNet:	0
Switching inputs:	2
Switching outputs:	3
Optical indicators:	1 (contamination warning)

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**Mechanics/electronics**

Electrical connection:	M12 circular plug-in connector
Operating voltage:	10.8 V DC ... 30 V DC

Power consumption:	60 W
Housing color:	Gray (RAL 7032)
Enclosure rating:	IP 67 (EN 60529, Section 14.2.7)
Protection class:	III (EN 50178 (1997;10))
Weight:	1.1 kg, without connecting cables
Dimensions:	105 mm x 102 mm x 162 mm

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**Ambient data**

Object remission:	10 % ... > 1,000 % (reflectors)
Electromagnetic compatibility (EMC):	EN 61000-6-2:2005/EN 61000-6-4 (2007-01)
Vibration resistance:	EN 60068-2-6 (1995-04)
Shock resistance:	EN 60068-2-27 (1993-03)
Ambient operating temperature:	-30 °C ... 50 °C
Storage temperature:	-30 °C ... 70 °C
Ambient light safety:	40,000 lx

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