



Laser scanners
LMC1xx / LMC13x / Security / Semi-Outdoor /
Short Range

LMC132-11101 VdS



Model Name > **LMC132-11101 VdS**
Part No. > **1051488**



Illustration may differ

At a glance

- The only VdS-certified laser scanner on the market (German certificate standard)
- Highest class "C" with environmental class II or IVa
- Flexible connection to DC 9 V to 30 V
- Two isolated relays (alarms) and one obstruction output
- Long detection range of 20 m, horizontal and vertical
- Up to 10 freely definable monitoring fields with intelligent evaluation algorithms
- Certified QuickStart menu
- 200 RAL colors available

Your benefits

- VdS certification for proven and reliable system acceptance by insurance companies (German certificate standard)
- High angular resolution provides a secure solution that improves reliability
- Secure, reliable detection with few false alarms due to precise field configuration of the detection area
- Small size provides unobtrusive solution
- Intelligent evaluation provides maximum application flexibility
- Easy integration into existing alarm management systems
- Low maintenance due to high immunity against environmental influences
- Cost-effective retrofitting due to low installation and wiring costs



Features

| | |
|------------------------------------|--------------------------|
| Field of application: | Security, Semi-Outdoor |
| Version: | Short Range |
| Light source: | Infrared (905 nm) |
| Laser class: | 1 (IEC 60825-1 (2007-3)) |
| Field of view: | 270 ° |
| Scanning frequency: | 50 Hz |
| Angular resolution: | 0.25 ° 0.5 ° |
| Heating: | Yes |
| Operating range: | 0.5 m ... 20 m |
| Max. range with 10 % reflectivity: | 18 m |
| Amount of evaluated echoes: | 2 |

Performance

| | |
|-----------------------------------|------------------|
| Response time: | ≥ 20 ms |
| Detectable object shape: | Almost any |
| Systematic error ¹⁾ : | ± 30 mm |
| Statistical error ²⁾ : | ± 12 mm |
| Integrated application: | Field evaluation |
| Number of field sets: | 10 fields |
| Simultaneous processing cases: | 10 |

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

Interfaces

| | |
|---|---|
| Serial (RS-232): | ✓ |
| Function (Serial (RS-232)): | Host, AUX |
| Data transmission rate (Serial (RS-232)): | 9.6 kBaud ... 115.2 kBaud |
| Ethernet: | ✓ |
| Function (Ethernet): | Host |
| Data transmission rate (Ethernet): | 10/100 Mbit |
| Protocol (Ethernet): | TCP/IP |
| CAN bus: | ✓ |
| Function (CAN bus): | Outputs extension |
| PROFIBUS DP: | - |
| PROFINET: | - |
| DeviceNet: | - |
| Switching inputs: | 4 |
| Switching outputs: | 3 (2 relay, 1 digital) |
| Optical indicators: | 1 7-segment display (plus 5 LEDs showing device status, contamination warning and initial condition, both can be activated) |

Mechanics/electronics

| | |
|------------------------|---|
| Electrical connection: | 1 x system plug with screw terminal block |
| Operating voltage: | 9 V DC ... 30 V DC |
| Power consumption: | 20 W |
| Housing color: | Black (RAL 9005) |
| Enclosure rating: | IP 67 (EN 60529, Section 14.2.5) |
| Protection class: | III (EN 50178 (1997;10)) |
| Weight: | 1.1 kg, without connecting cables |
| Dimensions: | 105 mm x 102 mm x 152 mm |

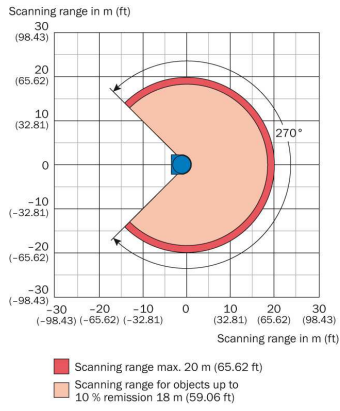
Ambient data

| | |
|--------------------------------------|--|
| Object remission: | 2 % ... > 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 immunity: | 40,000 lx |

General notes

| | |
|-----------------|---|
| Items supplied: | Mounting protection bracket VdS 2 (short), LMS13x VdS (Outdoor) |
| Note on use: | Not suitable for personnel protection |

Operating range diagram



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