

LAM 71

DATASHEET

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Datasheet

Laser Distance Meter LAM 71



**Sensor
Partners**
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Type: SP LAM 71.101
Part number: 225-0116
S/n: 181063
YOM: 2018

Power: 10 ... 30 VDC; P < 3W
Oper. Temp.: -40°C ... +60°C
Protection grade: IP67
Interface: RS232 / RS485

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Class 1 LR
Laser Product acc.
EN 60825-1:2014
1 = 999 nm
CE

Specifications

| | |
|--|--|
| Measuring range | 0.2 m ... 270 m |
| Typical maximum measuring range (1) on target boards on natural surfaces (2) | 0.5 m ... 270 m 0.2 m ... 125 m (80% reflectivity) 0.2 m ... 70 m (10% reflectivity) |
| Measuring accuracy | ± 60 mm |
| Measurement repeatability | ± 25 mm |
| Measured value resolution | 1 mm |
| Maximum measuring frequency | 40 kHz |
| Laser classification | Laser Class 1, EN 60825-1:2014 |
| Wavelength | 905 nm (invisible) |
| Laser divergence | 2 mrad x 0.4 mrad |
| Interface options | RS-232, RS-422 |
| Switching output | 2 x PNP - NO/NC, max. load 200 mA |
| Analog output | 4 mA ... 20 mA |
| Trigger | 1 x in/out 3 .. 30 Vdc |
| Connector | 12 pole jack M12 (Binder 713 series) 09-3491-970-12 |
| Power supply | 10 VDC ... 30 VDC |
| Power consumption (max.) | ≤ 3 W |
| EMC | EN 61326-1 : 2013 |
| Operating temperature | -40 °C ... +60 °C |
| Storage temperature | -40 °C ... +70 °C |
| Humidity | 15 % ... 90 %, non-condensing |
| Dimensions (L x W x H) | 120 mm x 46 mm x 25 mm |
| Weight | aprox 137 g |
| Ingress protection class | IP67 |

1. Measurement range and accuracy depending on measuring frequency, target reflectivity, stray light and environmental conditions.

2. On natural surfaces applies for natural, diffuse reflecting objects, targets and surfaces which could not be considered as a target board or a reflector with defined reflective properties