



RFID Division

Hardware | Reader  
**RFID Reader**  
**Series LF70**

RFID Reader LongRange (Profibus)

134.2 kHz



Ready  
for  
**RFID ?**

\* Radio Frequency IDentification

- Reading range up to 100 cm
- Ethernet interface
- Suitable for industrial usage



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## RFID Reader

### Series LF70

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Identification by radio frequency (RFID) provides a fast and safe identification of the object to be controlled. RFID guarantees the data exchange between reader and transponder, independent from contact or intervisibility and is able to even identify through different kinds of materials such as paper, plastic, liquid or dust.

The RFID Reader LF70 Profibus communicates with passive transponders using the frequency LF 134.2 kHz. The device is suited for applications requiring

higher reading ranges. Depending on the type of transponder and the surrounding conditions, the RFID Reader LF70 Ethernet enables reading ranges up to 100 cm.

The housing of the device is made from sturdy plastic with a type-IP54 protection (protection against dust and splash water), particularly suitable for applications in rough surroundings.

The RFID Reader LF70 Profibus is equipped with a serial interface which can be used for example for software

updates. Collected data is processed via an Ethernet interface. The reader can be installed during operation. The system is configured by means of a membrane keyboard which can be operated while the cover is open.

This keyboard calibrates the antenna, tests the read/write functions and, if required, switches the RFID device into a test mode.

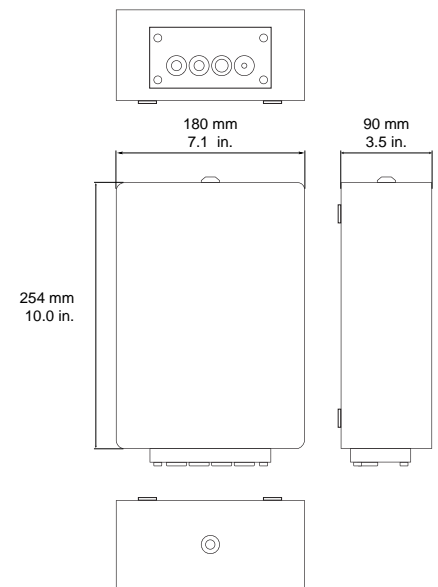
The RFID LF LongRange system is complemented by a rod antenna, which is available with a cable length of up to 6 meters.

#### Part number

TLG-PL2-1000-SP-0000

#### Technical data

Protocol	Profibus-DP
Interface	RS485
Baudrate	9.6 kBd - 12 MBd
Reading range	approx. 1070 mm   3.5 ft. (120 mm Transponder Read only)
Writing range	approx. 270 mm   10.6 in. (32 mm Transponder glass tube)
Dimensions	180 x 254 x 90 mm   7.1 x 10.0 x 3.5 in.
Weight	1600 g   46.4 oz
Operating temperature	-20°C to 50°C   -4°F to 122°F
Storage temperature	-25°C to 70°C   -13°F to 158°F
Permissible humidity	25% to 80% at 50°C   122°F
Protection mode	IP54
Housing	Polycarbonate
Voltage	24 V - 30 V DC
Current	110 mA passive
Reading / Writing impulse	typ-140 mA



## Sales RFID

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