BROOKS AUTOMATION

RFID Division

Hardware | Reader

RFID Reader Series LF80

RFID Reader Profibus

134.2 kHz

Ready for RFID ?

* Radio Frequency IDentification

- Protocol: Profibus-DP
- Direct connection to Profibus
- Automated antenna tuning

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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.

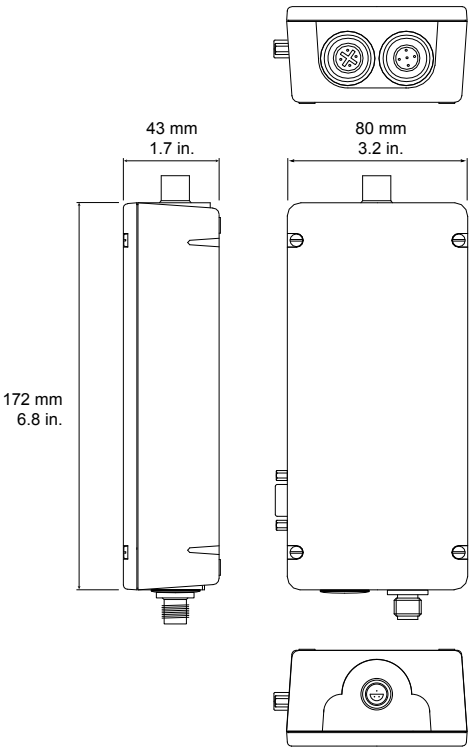
The RFID reader LF80 Profibus DP communicates with passive transponders using the frequency LF 134.2 kHz. Collected data is processed to the overall system via Pofibus DP.

Optionally the device is available with the following functions:

- Several devices used in the field can be calibrated amongst each other with a button integrated in the device‘s housing.
- External sensors can be connected via an additional I/O port.
- An integrated LED within the housing of the RFID reader LF80 Profibus DP informs about the read and write actions of the reader.

Part number
TLG-P1-1000-S0-1000

Technical data	
Protocol	Profibus-DP
Baudrate Profibus	9.6 kBd - 12 MBd
Dimensions	172 x 80 x 43 mm | 6.8 x 3.2 x 1.7 in.
Weight	440 g | 15.5 oz
Operating temperature	0°C to 50°C | 32°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	IP40
Housing	ABS (UL94-V0)
Voltage	18 - 30 V DC
Current	85 mA
Reading / Writing impulse Rod antenna	210 mA
Reading / Writing impulse Micro antenna	190 mA
Fuse type TR5	500 mA



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