

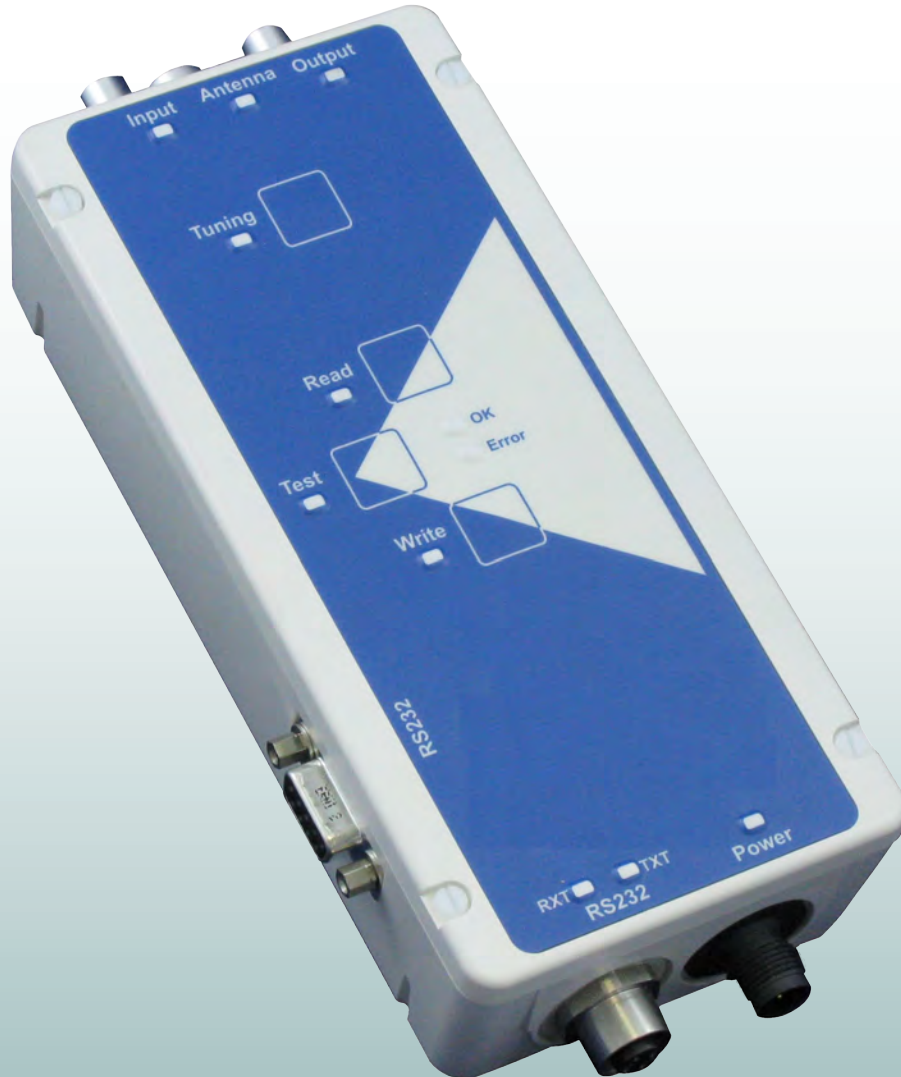


RFID Division

Hardware | Reader
RFID Reader
LF80C Series

ZeniD RFID Reader

134.2 kHz



Ready
for
RFID ?

* Radio Frequency IDentification

- Status indication LEDs
- Test mode
- Various antennas available
- Automatic antenna tuning
- Auto-synchronization with surrounding readers
- Optional Ethernet
- RS232 serial interface
- A variety of protocols can be supplied



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RFID stands for contactless identification of objects being tracked, without line-of-sight being required. Data can be transmitted between a data carrier (transponder) and the RFID reader through various materials, such as paper, plastic or glass. Reading is not affected by dust or dirt, which means that RFID systems can also be used in harsh environments.

The LF80C ZeniD RFID from Brooks Automation is a top-quality read and write system with extensive functionality.

The device communicates with passive TIRIS® transponders at an LF frequency of 134.2 kHz.

Captured data are sent to the higher-level system via a serial interface (RS232).

At the press of a button the system adapts to the existing ambient conditions and tunes the antenna to an optimal read and write range. In addition, a test button makes it possible to check all the functions in active operation without interfering with the higher-level system.

An integrated automatic synchronization function using the air interface allows trouble-free reading operations while simultaneously operating a number of readers in the direct vicinity.

The housing of the RFID reader features several integrated LEDs for obtaining clear status information. They provide information on operating mode, voltage, antenna operation, and read and write status. Input and output signals are also indicated visually in this way.

An LED for showing the operating status or read status and a sensor for triggering the read cycle can be connected via an additional digital input and output (LEMO connectors). Four different standard antennas with LEMO connectors and with cable lengths of up to 5 m are available.

On request the LF80C ZeniD RFID reader is also available with an Ethernet interface.

You will find more information on Brooks Automation at:

www.brooks-rfid.com

Part number	
TLG-M2-1000-S0-00EB	
Technical data	
Protocol	ASCII
Interface	RS232 / Ethernet optional
Serial interface	300 - 115.2 kBaud
Dimensions	172 x 80 x 43 mm l
Weight	440 g
Housing	ABS
Protection class	IP40
Operating temperature	0°C to 50°C
Storage temperature	-25°C to 70°C
Permissible humidity	25% to 80% at 50°C
Voltage	18 - 30 V DC
Current	75 mA
Rod antenna read/write pulse	160 mA
Micro antenna read/write pulse	140 mA
TR5 type fuse	400 mA (T)

RFID Sales

sales.rfid@brooks.com

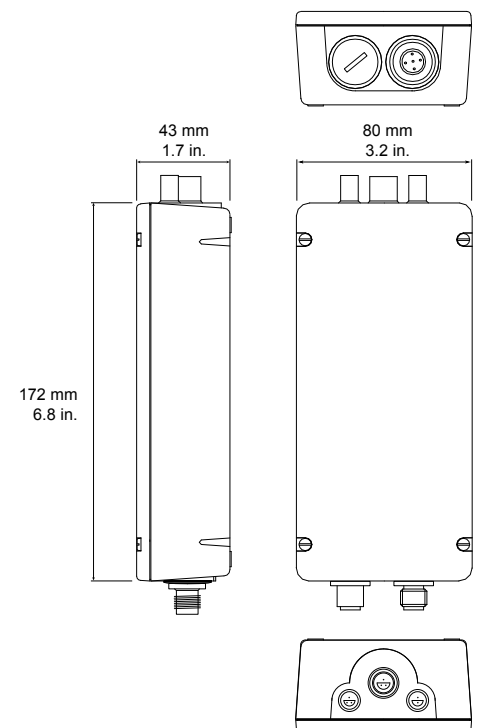
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ID110006/20.12.2011

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Dimensions