



RFID Division

Hardware | Reader
RFID Reader
Series HF80

RFID Reader MidRange

13.56 MHz



Ready
for
RFID ?

* Radio Frequency Identification

- Five antenna ports
- RS232 and/ or Ethernet interface
- Power over Ethernet (PoE)
- Polling mode adjustable for each antenna
- Configurable test mode with visual indicator
- Different configurations available



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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, regardless of contact or intervisibility and is able to even identify through different kinds of materials such as paper, plastic, liquid or dust.

This reader of the HF80 series with its variable power output is the perfect system for challenging tasks. By using specially adjusted antennas and the correct power output, also applications in metallic environment are feasible.

Five antenna connections, which optionally possess also DI/DO, are securing a cost-efficient solution also for applications with a lot of identification points. As data interface RS232 and/ or Ethernet with different protocols are available.

Additionally to the reader different plug & play antennas are obtainable. Thus it is possible to find the optimal antenna configuration for every application. Transponders in conformity with ISO 15693 are identified (optional EEPC-transponder).

Further configurations:

- On request the RFID reader is available with different optional IO-modules.
- By means of PoE (Power over Ethernet) costs for the infrastructure (cabling, power supplies) can be saved in the field.
- Comfortable configurations via 4 DIP-switches, which can for example be used for interfaces or test modes.
- The reader is available with different protocols.

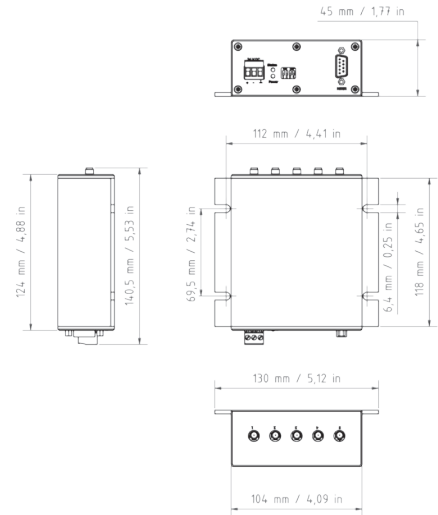


Illustration 1: Antenna side



Illustration 2: Interface side

Part number	Protocol / Interface
THG-R3MM-2000-T5-0000	ASCII / RS232
THG-T3MM-2000-T5-0000	ASCII / Ethernet
THG-E3MM-2000-T5-0000	ASCII / Ethernet + RS232

Specification	
Protocol	ASCII
Operating temperature	0°C to 50°C 32°F to 122°F
Storage temperature	-20°C to 70°C -4°F to 158°F
Permissible humidity	25% to 80% at 50°C at 122°F
Protection mode	IP40
Housing	PS (Polystyrol) oder ALU
Dimensions	105 x 120 x 45 mm 4.1 x 6.93 x 3 in.
Weight	280 g 9.88 oz
Serial interface RS232	1.2 kBd - 57.6 kBd
Ethernet interface	10/100baseT
Current	80 - 300 mA
Voltage	18 - 30 V
Reading / Writing impulse	140 mA
HF output	1 W
Output resistance	50 Ohm

All product names are trade names, registered trademarks or copyrights of the respective manufacturers. All specifications without guarantee, errors and omissions expected, subject to changes

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