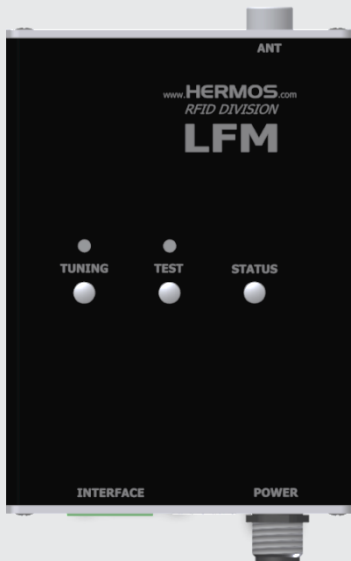# RFID-READER-LFM LP RS485

The HERMOS **RFID LFM LP Writer/Reader** is a HERMOS LFM class (LF Midrange) device, which communicates with passive LF-transponders.

It is designed for small-scale auto-ID solutions in trade and industry. High quality components make the Reader very reliable and error resistant. The device can be used in metallic environments. It is particularly suitable for clean room applications requiring read distance in the mid-range area. The system concept allows to connect up to 15 readers to one Gateway to provide only one interface from Gateway to host system.

TECHNOLOGY

> LFM reader (LF midrange 134,2 kHz)
> to connect to RS485 Gateway (separate available)

COMPONENTS

> RS485 interface to connect to RS485 Gateway (ASCI1 protocol or other protocols on demand)
> 1 antenna port
> LEDs for status indication
> Buttons for test-mode and antenna tuning

FUNCTIONALITIES

> Automatic antenna tuning
> Configurable test mode with optical identification
> Adjustable polling mode
> Automatic reading function
> Automatic detection of antenna breakage

QUALITIES

> Transponder identifiable according to ISO 18000-2
> Applications also in metallic environments
> up to 15 Readers connectable to one Gateway

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Highlights

Antenna Port
Automatic detection of antenna breakage (defective antenna or supply line).

RS485 Interface
Easy and uncomplicated integration due to RS485 bus interface. Bus Address configurable with Address switch, no software tool required. RS485 connection to Gateway via separate 2 wire cable, or together with power supply via 4 wire cable and plug

Automatic Reconciliation
Flexible reading range, adjustable as required. Optimum adaptation of the antenna tuning to the ambient conditions.

Configurable Test Mode
The reading range can be easily checked on-site by the device. The result is shown on a status LED.

TECHNICAL DATA
Conformity: CE, FCC, NCC, KCC, RoHS
Protocols: ASCII; SECS/HSMS
Serial interface: RS485
Read/write pulse: 110 - 330 mA
Resistance: 50 Ohm
Dimensions: 110 x 82 x 34 mm
Weight: 450 g

Hermos P/N   HRF.R.LFM.1L.A4.L0.10A

Housing material:
Aluminium black/natural anodised
Protection class: IP40
Operating temperature: 0°C to 50°C
Storage temperature: -25°C to 70°C
Permissible humidity: At 5°C 25% to 80%
Passive mode current: approx. 80 mA
Voltage: 20 - 28 V (reverse polarity protected)

CE