Reader LFM KIT LP

The HERMOS RFID LFM SET LP is an RFID set that contains all components necessary to equip a loadport with RFID functionality. It is designed for various loadport solutions in the semiconductor industry. High quality components make it very reliable and error resistant. Different configurations are available to be compatible with all loadport solutions on the market. The HERMOS RFID LFM SET LP offers maximum flexibility and reliability.

Technology
LFM Reader (LF Midrange 134,2 kHz)

Components
» LFM LP Reader
» LF rod antenna M
» Power supply cable
» RS232 cable
» Optional mounting plate

Functions
» Automatic antenna tuning
» Configurable test mode with visual indication
» Configurable polling mode
» Automatic reading function
» Automatic detection of antenna break

Features
» Transponder identifiable according to ISO 18000-2
» Applications also in metallic environment
» Available with customized interfaces

Die Highlights

Antenna Port

Automatic detection of antenna breakage
(defective antenna or feed line).

RS232 or Ethernet interface

Simple and uncomplicated integration due to RS232
or Ethernet interface.
ASCII and SECS/HSMS are available as data protocols.

Polling mode adjustable

Automated reading processes simplify the
processes and the control effort.

Automatic tuning

Flexible reading range, adjustable according to requirements.
Optimal adaptation of antenna tuning to the
environmental conditions.

Configurable test mode

The reading range can be easily checked on site by the device.
The result is displayed on a status LED.

Various configurations available

Available with customized interfaces.

Item number	Description				
	Interfaces	**Protocol**	**Antennas**	**Cable set**	**Footprint/ Mounting plate**
HRF.K.LFM.LP.10A	RS232	ASCII/SECS	Stab M LEMO 1,0m	Spg.-Kabel 1,0m RS232 1,0m	Brooks LF80
HRF.K.LFM.LP.10B	RS232	ASCII/SECS	Stab M SMA 1,0m	Spg.-Kabel 1,0m RS232 1,0m	Brooks LF80
HRF.K.LFM.LP.10C	RS232	ASCII/SECS	Stab M SMA 1,5m	Spg.-Kabel 0,8m RS232 (X) 1,2m	Omron V640
HRF.K.LFM.LP.20A	RS232	ASCII/SECS	Stab M LEMO 1,0m	Spg.-Kabel 1,0m RS232 1,0m	Brooks ATR
HRF.K.LFM.LP.30A	RS232	ASCII/SECS	Stab M LEMO 1,5m	-	-
HRF.K.LFM.LP.40B	RS232	ASCII/SECS	Stab S SMA 1,0m	Spg.-Kabel 3,0m Sensorstecker	Brooks ATR
HRF.K.LFM.LP.60A	RS232	Omron (1:1)	Stab M LEMO 1,5m	-	-
HRF.K.LFM.LP.60S	Ethernet	Omron (1:1, 1:N)	Stab M LEMO 1,5m	-	Omron V640

(Further variants and customer-specific configurations available on request)

Technical data

(Technical data of the accessories may vary depending on the KIT)

Interface: RS232, Ethernet
Protocols: ASCII HERMOS, SECS/HSMS, ASCII Brooks, ASCII OMRON V640, ASYST
Antenna port: 1
Frequency: 134.2 kHz; ISO18000-2; TIRIS
Dimensions: 110 x 82 x 34 mm (Reader)
Weight: 250 g (Reader)
Housing material: aluminum black/nature anodized (Reader)

Protection class: IP40 (Reader)
Operating temperature: 0 °C to 50 °C
Storage temperature: -25 °C to 70 °C
Permissible humidity: at 50°C 25% to 80%
Current consumption: 80 mA / 300 mA (passive/active)
Voltage: 20 - 28 V (reverse polarity protected)
Conformity: CE, FCC, KCC, NCC, Sirim, RoHS, REACH