

HANDHELD READER

125 KHZ CONTACTLESS READER/WRITER



IP65 / IP41

This handheld reader is designed for 125 kHz transponders. Depending on the interface option it can be connected to a host computer via RS-232 or USB.

Typical applications:

Tool ID

Data acquisition

Special features:

- + Compact housing, easy to connect
- + Low power consumption
- + RS232 and USB versions available
- + Classified as IP41 or IP65
- + Easy-to-implement protocol, which is independent of the interface option
- + DLL available, which encapsulates the communication protocol
- + Multi transponder capability

TECHNICAL DATA

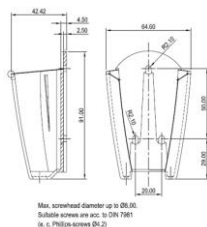
FREQUENCY	125 kHz (LF)
ANTENNA	Integrated ferrite coil
HOUSING	Polystyrol (UL 94 HB)
DIMENSIONS (L X W X H)	IP41: 96 mm x 47 mm x 24 mm without cable; USB: 2.0 m cable; RS232: 2.0 m coiled cable IP65: 140 mm x 62.7 mm x 30.5 mm without cable; USB: 2.0 m cable; RS232: 2.0 m coiled cable
POWER SUPPLY	RS232: 5 V from USB port via Y-cable USB: USB Powered
CURRENT CONSUMPTION	RF field off: 15 mA RF field on: typically 60 mA
TEMPERATURE RANGE	Operating: -25°C up to +80°C (-13°F up to +176°F) Storage: -45°C up to +85°C (-49°F up to +185°F)
RELATIVE HUMIDITY	5% to 95% non-condensing
MODES OF OPERATION	RS232 or USB (virtual COM port)
MTBF	50,000 hours
WEIGHT	IP41: RS232: Approx. 424 g – USB: Approx. 101 g IP65: RS232: Approx. 524 g – USB: Approx. 201 g
SUPPORTED TRANSPONDERS (STANDARD)	125 kHz, 134.2 kHz: EM4100, 4102 ¹⁾ , EM4050, 4150, 4450, 4550, FDX-B, EM4105, HITAG 1 ²⁾ , HITAG 2 ²⁾ , HITAG S ²⁾ , Miro, Q5, T5557, T5567, T5577, TITAN (EM4050), UNIQUE, ZODIAC
PERIPHERAL INTERFACES	USB, RS232
OS SUPPORT	Windows XP, Vista, Embedded CE, 7 (32-/64-bit), 8, 8.1, 10, Linux, Android, iOS, MAC OS X
CERTIFICATIONS	RoHS-II compliant
ORDER CODE(S)	HHRM-NF2B00: IP41 RS232 HHRL-NF2B00: IP65 RS232 HH-RM-NU2B00: IP41 USB HHRL-NU2B00: IP65 USB

¹⁾Only emulation of 4100, 4102 ²⁾Without crypto

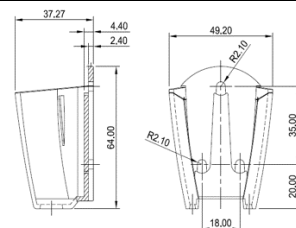
ACCESSORIES

HOLDER	ART15403: Wall holder for handheld IP65 ART10499: Wall holder for handheld IP41
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DRAWINGS



Wall holder, ABS (UL94 HB), for IP65 model



Wall holder, ABS (UL94 HB), for IP41 model



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