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ELECTRONIC HARDWARE AG

HandScan
Read/Write Electronic for RFID Transponders

RF/ID Identification System Components for GEMPLUS Transponders, GemWave 210, 240 and 270, R/O and R/W, Philips I-Code and TI Tag-it

The Read/Write device is mainly used as a hand held reader to identify objects, like cans, beer kegs, and persons or live stock. Or it is used as a fixed device for applications in the factory automation and for access control.

Special Version with trigger switch and build in battery

- ☑ *Easy to handle, watertight output connector or fixed cable with watertight cable gland*
- ☑ *LED indicator (red/green)*
- ☑ *Works outside, in industrial areas or on vehicles*
- ☑ *watertight, IP67*
- ☑ *Compact design, small size: 40 mm Æx 120 mm + connector or cable gland*
- ☑ *Low power consumption*
- ☑ *integrated antenna*
- ☑ *reading distance up to 50 mm, depends on transponder type*

HandScan

Cylindric Read / Write Electronic for GemWave Transponders 40 mm ∅ x 120 mm, front side antenna	
Type: **2x1E-1581**	12 VDC, RS 232, watertight connector
Type: **2x1E-5581**	5VDC, RS232, watertight connector
Type: **2x1E-1681**	12 VDC, RS 232, cable 1 m
Type: **2x1E-5681**	5VDC, RS232, cable 1 m
Type: **2x1E-1980**	9 VDC battery, trigger switch, RS 232, watertight connector

x ... 6 for 125 kHz transponders
x ... 7 for GemWave from GemPlus
x ... 8 for I-Code from Philips

Technical data

Interface:	9600 baud, 1 startbit, 8 databits, no parity, 1 stopbit, halfduplex
Technology:	13,56 MHz, R/W time for 2 kBit less than 0,5 sec.
Power supply	12 VDC (9 – 28 VDC) or 5 VDC +/- 5 %, max. 5% ripple
Power consumption	40 mA - 150 mA, depending on antenna design
Operating Temperature	- 20 - + 70 °C
Housing:	Black plastic, round
Aprovals	ETS 300-330 Conformity, meets CE requirements
Protocol's	see separate datasheets