

# RFID – wireless and battery less pressure and temperature transducer

- Wireless communication via Smartphone
- Ideal for maintenance work
- Maximum robustness and live time in field environments
- universal Protocol acc. ISO 14443 Type B @ 13.56MHz
- NFC communication
- Combined output of pressure and temperature



## Specification

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### Pressure ranges

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Measurement ranges:	0~5; 10; 20; 35; 50; 100; 200; 350; 500 bar
Over pressure:	typical 2x of nominal pressure, 1.5x from 350 bar and up

### Communication

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protocol:	RFID (NFC Tag 13.56MHz, ISO14443 Type B)
Format:	NDEF
Power Supply:	wireless via NFC Tag / RFID
Communication device /reading distance:	Smartphone 2mm Antenna (200mW) 8mm
Transmitted data:	Pressure value, Temperature value, Peak hold value, TAG Number, Serial Number

### General technical data

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Response time:	2 sec
Accuracy:	±1% FSO at room temperature @ +23°C ±2K
Temperature range:	-20 ... +60°C
Resistance to vibration:	200m/s <sup>2</sup> , 10~2000Hz acc. IEC 60068-2-6:2007
Resistance to shock:	1000m/s <sup>2</sup> , 6ms, 3 x each direction acc. IEC 60068-2-27:2008
Protection rating:	IP65 acc. IEC 60529:2001
Wetted parts material:	17-4PH, SUS 304