RFID pressure data logger 13.56MHz
- semi-passive pressure sensor logger device
- G½” stainless steel fitting with RFID data logger
- TELID logger with Keller pressure sensor
- contactless data communication ISO 14443

RFID Sensor TELID® devices are an integral part of microsensys iID® system solution. These devices are very useful for wireless sensors applications in industrial solutions, for quality check in food and pharma industry, for temperature check in maintenance processes and transport and logistics. TELIDs are operating optimal with microsensys standard RFID reader.

**RFID Technology:**
- RFID system TELID®300 based on ISO 14443B
- Closed coupling HF sensor solution

**Chip Type:**
- iID-L

**Carrier Frequency:**
- 13.56 MHz

**Communication Rate:**
- 106 kbps

**Communication Distance:**
- 0 ... 10 mm depending on reader antenna and environmental conditions

**Data Memory:**
- EEPROM read write type, endurance >100.000 cycles, data retention > 10 years,

**Static Memory:**
- parameters, calibration data, manufacturer OTP

**Free Memory:**
- max 1 Mbit for product information and measurement data up to 12.000 samples (p,T), programmable maximum samples

**Pressure Sensor:**
- piezo-resistive MEMS technology sensor with integrated 16bit ΔΣ ADC

**Working Range:**
- 0 bar ... 3 bar

**Resolution:**
- 16 bit theoretical 0.045 mbar

**Accuracy:**
- +/- 0.15%FS equates +/- 4.5mbar

**Temperature Sensor:**
- silicon sensor

**Working Range:**
- -40°C ... +110°C

**Resolution:**
- 0.05 °K

**Accuracy:**
- typ. +/- 2 °K

**Operating Mode:**
- SLEEP or ACTIVE

**Measure Modes:**
- STOP FULL or ROLL OVER active, RTC triggered

**Basic Functions:**
- programming of parameters, item information and modes

**Parameters:**
- start time, pressure limits, sample time (1...256 min), calibration data

**Time Base:**
- quartz RTC

**Battery Life Time:**
- up to 4 years depending on using conditions

**Working Temperature:**
- -25°C ... +85°C

**Storage Temperature:**
- -35°C ... +95°C for long life is recommended 25°C

**Dimensions:**
- G½” fitting, SW22, max length 48mm

**Case:**
- stainless steel, PEEK (black) for RFID antenna

**Marking:**
- laser printed, optional with printed UID serial number

**Using Instruction:**
- industrial using

**Protection Class:**
- IP67

**Appropriate RFID Reader:**
- M30-HEAD reader with RS232TTL or USB
- PEN reader with RS232TTL, USB or Bluetooth
- POCKETwork with Bluetooth

**Software:**
- TELID®soft 5.0 for Windows,

- TELID® application software for Windows PC and mobile devices on inquiry