### TELID® 232.nfc

**RFID humidity transponder 13.56MHz**

- passive sensor device with user memory
- humidity measurement 0%RH ... 100%RH
- non flexible hard TAG, Q43S, enabled for usage on metal
- contactless data communication ISO 14443A 2-3, NFC forum type 2 compliant

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

Usage of microsensys RFID interfaces brings you the best experience in TELID® operation.

**RFID Technology:**
- Chip Type: RFID system TELID®200
- Carrier Frequency: 13.56 MHz
- Communication Rate: 106 kbps
- Communication Distance: 0 ... 30 mm depending on reader antenna and environmental conditions

**Object Data Memory:**
- Object Data Memory: EEPROM read write type, endurance >100,000 cycles, data retention 20 years
- Static Memory: parameters, calibration data, manufacturer OTP
- Free Memory: see version

**Humidity Sensor:**
- Working Range: 0%RH ... 100%RH at 0°C ... +80°C
- Resolution: 0.7%RH (8bit ADC)
- Accuracy: +/- 3.0%RH

**Temperature Sensor:**
- Working Range: -40°C ... +120°C at 15°C ... +55°C and 25%RH ... 85%RH
- Resolution: 0.2°K (10bit ADC)
- Accuracy: +/- 0.5°K
- Thermal Time Constant: 5 ... 30s depending on mounting technology

**Operating Mode:**
- Operating Mode: PASSIVE SENSOR

**Measure Modes:**
- Basic Functions: ON LINE MEASUREMENT
- Parameters: programming of sensor parameters and object data memory calibration data (optional)

**Battery:**
- no battery

**Working Temperature:**
- Storage Temperature: 0°C ... +85°C maximum range
- Dimensions: 43 x 27 mm², thickness max. 3.0 mm Q43S
- Packaging: front side EP (black), back side PA 6.6 GF30
- Marking: laser printed product type on top, optional unique ID-No adhesive on metal or nonmetal objects

**Mounting Instruction:**
- Mounting Instruction: adhesive on metal or nonmetal objects

**Appropriate RFID Reader:**
- Appropriate RFID Reader: M30-HEAD industrial reader
- PEN mobile reader
- POCKET mobile reader
- NFC SMART PHONE

**Software:**
- Software: iID driver engine, iID DEMOsoft, TELID application software for Windows PC and mobile devices on inquiry

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*) only on inquiry

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