

TELID®714.hcp

BLE Temperature Sensor and Identification Beacon

- unique identification number
- tiny pin-style temperature sensor with 105 mm pin probe, designed for precise measurements, stainless steel based
- Bluetooth Low Energy data communication
- built-in high performance Li battery, hermetically packaging

TELID®7 enhances the proven range of microsensys' TELID® family of smart wireless sensors and data loggers with a Bluetooth Low Energy communication interface. TELID®7 devices are useful for long range identification and sensing demands. The tiny remote temperature sensor enables direct placement at the point of measurement. The product can be attached to metal or non-metal surfaces and is even useable under water. The sealed housing offers no option to change the battery.



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WEB www.microsensys.de. This data sheet is subject to change. Picture may differ from original product.
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Contactless Interface:	BLE TELID®7	long range wireless identification and sensor system
RF Communication:		Bluetooth Low Energy 5.2
Carrier Frequency:		2.4GHz ISM band (2.402 – 2.480 GHz)
Communication Distance:		up to 10 m, depending on gateway and environmental conditions
Sensors:	digital temperature sensor	high-accuracy and high-temperature pin
Accuracy:		see device type
Resolution:		0.01 K
Data Memory:	non-volatile memory	write endurance >10 ⁵ cycles
Standard Content:		unique TELID® identification number, parameter and calibration data
Remarks:		programmable by TELID®7control tool
Security Features:		AES-128 encryption
Mechanical / Environmental:		
Housing:	Q2550PM pin	with stainless steel pin
Dimensions:		approx. 25 mm x 51 mm x 8 mm, pin length 105 mm, pin diameter 3 mm
Material:		ABS, potting, stainless steel
Protection Class:	IP67	
Mounting:		screwing or others
Working Temperature:	-25 °C ... +100 °C	at pin
Storage Temperature:		-40 °C ... +85 °C, recommended 25 °C
Energy Source:	Li primary cell	not replaceable
Battery:		Li primary coin cell 400 mAh
Lifetime:		up to 10 years, depending on operating conditions
Operation:	SLEEP / ACTIVE mode	
Transmission Protocol:		TELID®7 beacon protocol
Basic functions:		MEASURE and BROADCAST, SLEEP
Broadcast Interval:		programmable 10 s ... 6 h, <1 min significantly reduces battery life
Measurement Interval:		programmable 10 s ... 6 h, <1 min significantly reduces battery life
Communication Devices:		recommended: smart phone, iID® gateway, iID® INDUSTRY 0906 BLE
Configuration Software:		NFC for mobile devices: TELID®7control (Android, iOS)
		please note: not all smart phones are supported
Operating Software:		Bluetooth for mobile devices: TELID®7sensor (Android, iOS)
Device Interface:		TELID®7 beacon protocol, driverless, encrypted

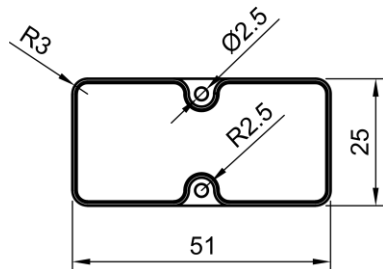
TELID®714.hcp-Q2550PM

TELID®710.hcp-Q2550PM is a battery powered temperature sensor beacon for unique object identification and temperature measurement featuring a tiny remote sensor and supporting operation with smartphones and other iID®contactless components such as BLE gateways.



Device type	Temperature Sensor Beacon
Measurement Range	-25 ... +100 °C (pin)
Accuracy Temperature Range: -20 ... 50 °C Range: -25 ... 100 °C	typ. ± 0.1 K typ. ± 0.5 K
Resolution Temperature	0.01 K
Product Code	14.714.861.00

Dimensions:



all dimensions in mm

