

BLUE COIN T

Bluetooth Low Energy temperature sensor



BENEFITS

- Integrated Temperature sensor
- High autonomy : up to 5 years
- Waterproof (IP68)
- Smart & secure programming by NFC
- Over The Air Programming (OTAP)



TECHNICAL SPECIFICATIONS

OPERATING MODE

| | |
|-----------------------------------|---|
| Frequency | 2.4 GHz - Bluetooth Low Energy 4.0/4.2 |
| Output power | Up to +4 dBm (configurable) |
| Range | Up to 200 meters in open field (+4dBm) |
| Transmission period | Advertising period (0,1 sec to 10 sec – configurable in seconds) |
| Radio frame format | BLE advertised name (15 characters max.) (15 bytes)* Temperature: (0.01°C) (2 Bytes)* <i>*Refer to the frame specification for more information.</i> |
| Settings and configuration | Interface/protocole : NFC (Type 2) |
| Connected mode | Datalogger transmission (record of saved sensor data) / Battery level |
| Advertising mode | Periodic temperature data transmission |
| Sensor performance | Range: -30°C to 70°C Resolution: 0,0625 °C Accuracy: ±0.5°C maximum (0°C to 65 °C) ±1°C maximum (-30°C to 0°C and 65°C to 70°C) Calibration: Configurable 3-point calibration coefficients (Polynomial 2 nd degree) |

BATTERY

| | |
|----------------------|--|
| Power supply | 3 VDC - Internal lithium battery |
| Battery life | Up to 5 years* <i>*Refer to the battery life curves for more information.</i> |
| Battery level | Low battery warning in advertising frames (<15%) Battery voltage in scan response frames (configurable) |

CERTIFICATIONS

| | |
|---------------|---|
| Europe | CE : EN 300 328/EN 300 330 / EN 301 489 / EN 62311 / EN 62368 |
| USA | FCC : FCC PART 15 |
| Canada | ISED : RSS-247/ICES-003 |
| RoHs | Yes |

HOUSING

| | |
|------------------------------|---|
| Dimensions | Ø 36mm base - Height 11,5mm |
| Weight | 13g |
| Materials | DELIRIN (POM C) Compatible with food products (90/128/EEC) |
| Waterproof grade | IP 68 |
| Operating temperature | -30°C to +70°C |

ACCESSORIES

| | |
|-----------------------|--|
| Support du tag | COIN HOLDER STICKER (ACIOM92C) COIN HOLDER (ACIOM91) COIN STICKER (ACIOM187) 3M PT1100 - Ø 34mm - h : 1,1mm |
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MECHANICAL DRAWINGS

