

## 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

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

### BATTERY

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

## CERTIFICATIONS

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

## HOUSING

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

## ACCESSORIES

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

