

## BLUE PUCK T-PROBE



Bluetooth Low Energy temperature sensor

### BENEFITS

- Approved EN12830 v2018
- Very high autonomy : up to 15 years
- High transmission range
- Waterproof IP68
- Smart & secure programming by NFC
- Over The Air Programming (OTAP)



Including a 1m cable

## 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 500 meters open field (+4dBm)
<b>Transmission period</b>	Advertising period (0,1 sec to 10 sec – configurable in seconds)
<b>Radio frame format</b>	Identifier (15 characters max) (15 bytes)* Temperature (in 0.1°C) (2 Bytes) <i>*Refer to the frames specifications for more information</i>
<b>Settings and configuration</b>	Interface/protocol : NFC (Type 2)
<b>Connected mode</b>	Datalogger download Battery level command
<b>Advertising mode</b>	Periodic transmission of the identifier and the instantaneous temperature
<b>Sensors performance</b>	<b>Range</b> : -80 to +200 °C <b>Resolution</b> : 0.1 °C <b>Accuracy</b> : ±0.5 °C maximum (-30°C to +60°C) ±1°C maximum (-40°C to +150°C) ±2°C maximum (-80°C to +200°C) <b>Calibration</b> Configurable 3-points calibration coefficients COFRAC calibration in Factory COFRAC accredited calibration as an option

## BATTERY

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

## CERTIFICATIONS (in progress)

<b>Europe</b>	CE : EN 300 328/ EN 301 489 & EN 55032 / EN 62368-1 EN12830 (temperature recorders)
<b>USA</b>	FCC : FCC PART 15
<b>Canada</b>	ISED : RSS-247 / ICES-003
<b>RoHs</b>	Yes

## HOUSING

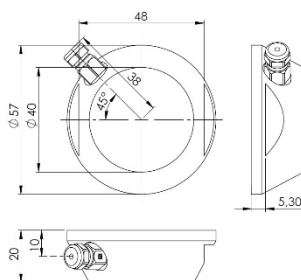
<b>Dimensions</b>	<b>PUCK housing</b> : Ø 57 mm base - height 20 mm <b>Probe</b> : Ø 3 mm – Length 28 mm – M8 <b>Cable</b> : 1 m
<b>Weight</b>	63 g
<b>Materials</b>	<b>PUCK housing</b> : DELRIN (POM C) Compatible with food products (90/128/EEC) <b>Probe</b> : Stainless steel <b>Cable</b> : Teflon (1m)
<b>Waterproof grade</b>	IP 68
<b>Operating /storage temperature</b>	<b>PUCK housing</b> : -40°C to +85°C <b>Probe</b> : -80°C – +200°C



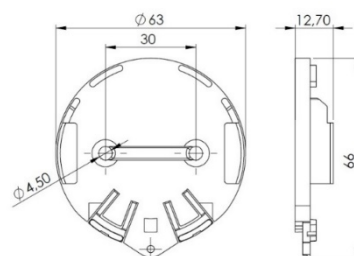
## ACCESSORIES

<b>Tag support and adhesive</b>	PUCK HOLDER STICKER (ACIOM118B)
<b>Tag support only</b>	PUCK HOLDER (ACIOM117B)
<b>Double-sided adhesive only</b>	PUCK STICKER (ACIOM188) 3M PT1100 - Ø 53mm – h : 1,1mm

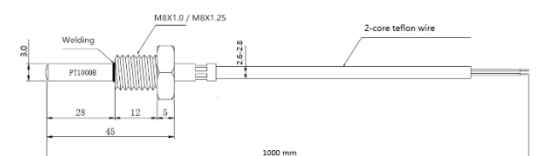
## MECHANICAL DRAWINGS



*PUCK HOUSING*



*PUCK HOLDER*



*PROBE PT1000*