

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

Frequency	2,4 GHz - Bluetooth Low Energy 4.0/4.2
Output power	Up to +4 dBm (configurable)
Range	Up to 500 meters open field (+4dBm)
Transmission period	Advertising period (0,1 sec to 10 sec – configurable in seconds)
Radio frame format	Identifier (15 characters max) (15 bytes)* Temperature (in 0.1°C) (2 Bytes) <i>*Refer to the frames specifications for more information</i>
Settings and configuration	Interface/protocol : NFC (Type 2)
Connected mode	Datalogger download Battery level command
Advertising mode	Periodic transmission of the identifier and the instantaneous temperature
Sensors performance	Range : -80 to +200 °C Resolution : 0.1 °C Accuracy : ±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) Calibration Configurable 3-points calibration coefficients COFRAC calibration in Factory COFRAC accredited calibration as an option

BATTERY

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

CERTIFICATIONS (in progress)

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

HOUSING

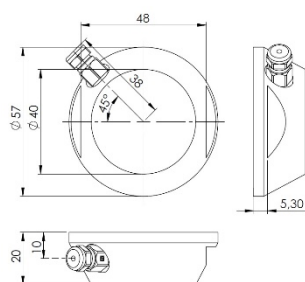
Dimensions	PUCK housing : Ø 57 mm base - height 20 mm Probe : Ø 3 mm – Lenght 28 mm – M8 Cable : 1 m
Weight	63 g
Materials	PUCK housing : DELRIN (POM C) Compatible with food products (90/128/EEC) Probe : Stainless steel Cable : Teflon (1m)
Waterproof grade	IP 68
Operating /storage temperature	PUCK housing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



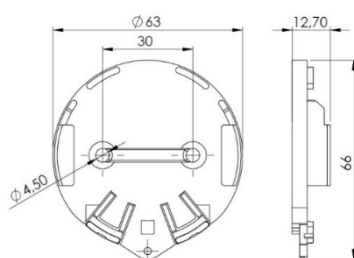
ACCESSORIES

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

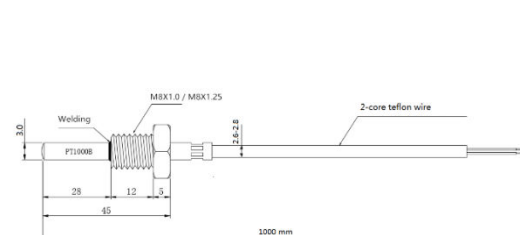
MECHANICAL DRAWINGS



PUCK HOUSING



PUCK HOLDER



PROBE PT1000