

Wireless sensors



Blue PUCK T EN 12830

Ref. IDF30241



The new reference of wireless temperature recorders for monitoring the cold chain of your food.

- Large transmission range: up to **500m** (open field)
- Recording: up to 4000 values
- Autonomy: **19 years**
- Robust industrial case – **Waterproof IP68**
- Integrated **NFC** chipset

TECHNICAL SPECIFICATIONS

Operating modes	<p>Advertising mode: Periodic temperature data transmission</p> <p>Connected mode: Datalogger transmission (record of saved sensor data, max 4000 values)</p>
Parameters and configuration	<p>Interface/protocol NFC (Type 2)</p> <p>Configuration: Device Manager/ Mobile Manager application (Windows / Android)</p> <ul style="list-style-type: none"> • Activation / deactivation • BLE advertised name (15 characters max.) and transmit power • Transmission period (0,1 sec to 10 sec - configurable in seconds) • Data Recording period (10 to 86400 seconds) • Temperature value correction with 2nd order polynomial • Calibration value report saving (max. 3 couples of values)
Sensor option / performances	<p>Temperature sensor</p> <p>Range: -40 to 85 °C</p> <p>Resolution: 0,0625 °C</p> <p>Accuracy: ±0.5°C maximum (0°C to 65 °C)</p> <p>±1°C maximum (40°C to 0°C and 65°C to 85°C)</p> <p>Transmitted sensor data: Temperature in 0.01°C on 16 bits</p>
Frequency	2.4 GHz – BLE channels
Output power	Up to +4 dBm
Range	Up to 500 meters open field (+4 dBm)
Power supply	3 VDC – Internal lithium battery
Battery life	<ul style="list-style-type: none"> - Up to 19 years * - Battery voltage reading command using <i>Connected mode</i> - 15% remaining battery warning <p><i>*For more detailed battery lifetime specification please refer to autonomy spec sheet</i></p>
Operating temperature	-30°C to +85°C
Housing	<p>Ø 57mm base - Thickness 20mm</p> <p>IP68 Waterproof - Weight 36g</p> <p>DELFIN (POM C) material – Food Grade (90/128/EEC)</p>
Standards	<p>CE (Europe): EN 300 328/EN 300 330, EN 301 489, EN 62311, EN 62368</p> <p>FCC (USA): FCC PART 15</p> <p>ISED (Canada): RSS-247/ICES-003</p> <p>RoHS</p> <p>EN12830 - 2018</p>
Accessories	<p>Double-sided direct fixation of the tag: PUCK STICKER (ACIOM118)</p> <p>Tag support: PUCK HOLDER STICKER (BOT0126)</p>