

Wireless sensors



Blue PUCK AI
Ref. IDF25248



Remotely manage your industrial equipment!

- Analog voltage measurement
- Extended transmission range: up to **500m** (free field)
- Battery lifespan: up to **20 years**
- Heavy duty industrial case - **IP68 waterproof**
- Built-in **NFC** chip

TECHNICAL SPECIFICATIONS

Operating modes	Advertising mode: periodic measured data transmission Connected mode: Datalogger transmission (record of saved sensor data)
Parameters and configuration	Interface/protocol NFC (Type 2) Configuration: Device Manager/ Mobile Manager application (Windows / Android) <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)
Sensor option / performances	ADC voltage converter: Range: 0 to 5V Resolution: 10 mV Accuracy: 5% Input impedance: 20 kOhms Transmitted data: Input voltage measured in mV on 16 bits
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	- Up to 20 years * - Battery voltage reading command using <i>Connected mode</i> - 15% remaining battery warning <i>*For more detailed battery lifetime specification please refer to autonomy spec sheet</i>
Operating temperature	-40°C to +85°C
Housing	Ø 57mm base - Thickness 20mm - dimensions with cable gland: 64mm (without cable) IP68 Waterproof - Weight 50g Supplied cable length: 1m DELTRIN (POM C) material – Food Grade (90/128/EEC)
Standards	CE (Europe): EN 300 328/EN 300 330, EN 301 489, EN 62311, EN 62368 FCC (USA): FCC PART 15 ISED (Canada): RSS-247/ICES-003 RoHS certified
Accessories	Double-sided direct fixation of the tag: PUCK STICKER (ACIOM118) Tag support: PUCK HOLDER STICKER (BOT0126)