

Wireless sensors



Blue PUCK RHT
Ref. IDF25242



The new industry standard in the wireless Temperature & Humidity sensor's market!

- Very long range: up to **500 meters** (open field)
- High lifecycle: up to **16 years**
- Robust industrial casing - **IP65 waterproof**
- Integrated **NFC** chipset

TECHNICAL SPECIFICATIONS

Operating modes	Advertising mode: periodic temperature and humidity data transmission Connected mode: Datalogger transmission (record of saved sensor data)		
Parameters and configuration	Interface/protocol NFC (Type 2) Configuration: Device Manager Suite / Mobile 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		Temperature sensor	Humidity sensor
	Range	-40 to 85 °C	0% to 100%
	Resolution	0.01 °C	0.01 %
	Accuracy	±0,4 °C maximum	±2,5 % maximum (0% to 90%) ±3,5 % maximum (90% to 100%)
	Transmitted data	Temperature in 0.01 °C on 16 bits	Humidity in % on 8 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 16 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 IP65 Waterproof - Weight 36g DELRIN (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)		