

*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 **20 years**
- 👁️ Robust industrial casing - **IP65 waterproof**
- 👁️ Integrated **NFC** chipset

**TECHNICAL SPECIFICATIONS**

Battery power supply	3 VDC - Lithium internal battery
Frequency	2,4 GHz - Bluetooth Low Energy 4.0/4.2
Operating mode	“Advertising” beacon mode: periodic data transmission (id + measures) Connected mode: download up to 2,000 stored Temperature & Humidity values
Power output	Up to +4dBm (programmable)
Transmission range	Up to 500 meters (open field / + 4dBm)
Transmission period	0,1 to 10 second (programmable)
Lifecycle	20 years (Beacon rate = 10s with 0dB power)
Radio frame format	ID: 15 characters name Unique 48 bits MAC address 👁️ Temperature: 16 bits 👁️ Humidity: 8 bits ID (ELA) compliant
Settings & configuration	Interface/Protocol: NFC Type 2 <b>Device Manager</b> software or <b>Device Manager Mobile Android App</b>
Sensor: Measuring range	Temperature: -40°C to 85°C / Humidity: 0 to 100%
Sensor: Resolution	Temperature: 0.015°C / Humidity: 0.01%
Sensor: Accuracy	Temperature: ±0.3°C TYP from -40°C to 85°C Humidity: ±2% TYP from 0% to 90%, up to ±3% from 90% to 100%
Operating temperature	Temperature sensor: -40°C to +85°C Humidity sensor: 0°C to +85°C
Battery level Management	15% remaining battery warning

Housing	<p>Ø 57mm base - Thickness 18mm                  2 mounting Ø 4mm holes, spaced of 49mm                  IP65 Waterproof - Weight 36g                  DELRIN (POM C) material – Food Grade (90/128/EEC)</p>
Standards	<p>EC (Europe)*: EN 300 328/ EN 301 489 &amp; EN 55032 / EN 62368-1                  FCC (USA)*: FCC 15.247 / FCC PT 15B                  ISSED/IC (Canada)*: RSS-247 / ICES-003                  RoHS certified                  (*) Certification in progress</p>
Accessory	<p>PUCK <b>HOLDER STICKER</b> (ACIOM118)</p>
 <p><b>Blue PUCK RHT</b> with its  <b>PUCK HOLDER STICKER</b></p>	