

Wireless sensors



Blue PUCK T
Ref. IDF25241B



The new industry standard in the wireless temperature sensor's market!

- 👁️ Very long range: up to **500 meters** (open field)
- 👁️ High lifecycle: up to **20 years**
- 👁️ Robust industrial casing - **IP68 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 + sensor data) Connected mode: download up to 4,000 stored 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 ID (ELA) compliant
Settings & configuration	Interface/Protocol: NFC Type 2 Device Manager software or Device Manager Mobile Android App
Sensor - Measuring range	-40°C to +85°C
Sensor - Resolution	0.0625°C
Sensor - Typical Accuracy	±0,25°C TYP from -0°C to -65°C, ±0.5°C TYP from -40°C to 85°C
Operating temperature	-40°C to +85°C
Battery level management	15% remaining battery warning
Housing	Ø 57mm base - Thickness 18mm - 2 mounting Ø 4mm holes, spaced of 49mm IP68 Waterproof - Weight 36g DELTRIN (POM C) material – Food Grade (90/128/EEC)
Standards	EC (Europe)*: EN 300 328/ EN 301 489 & EN 55032 / EN 62368-1 FCC (USA)*: FCC 15.247 / FCC PT 15B ISED/IC (Canada)*: RSS-247 / ICES-003 RoHS certified (*) Certification in progress
Accessory	PUCK HOLDER STICKER (ACIOM118)



Blue PUCK T with its PUCK HOLDER STICKER