

*Wireless sensors*



**Blue PUCK MOV**  
Ref. IDF25244




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

- 👁️ **Angular position and motion** measurement
- 👁️ 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 + measure) Connected mode: download up to 4,000 stored motion or angle 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 👁️ Sensor data: MOV Mode (Movement) or ANG Mode (Angle) 👁️ ANG Mode: acceleration (3 axis) on 16 bits / Axis (12 bits + a 16 <sup>th</sup> sign bit) 👁️ MOV Mode: 15-bit counter & instantaneous state* on 1 bit (LSB) ID (ELA) compliant (* Immediate transmission upon change of state)
Settings & configuration	Interface/Protocol: NFC Type 2 <b>Device Manager</b> software or <b>Device Manager Mobile Android App</b>
ANG: Measuring range	-2g to +2g
ANG: Resolution	1mg (LSB)
ANG: Accuracy	±0.5% (Full scale)
MOV: Motion alarm threshold	16-bit threshold (0 to FFFF)
Operating temperature	-40°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                  IP68 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                  ISED/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 MOV</b> with its <b>PUCK HOLDER STICKER</b></p>	