

Wireless sensors



Blue PUCK MAG

Ref. IDF25243



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

- 👁️ Very long range: up to **500 meters** (open field)
- 👁️ High lifecycle: up to **10 years**
- 👁️ Robust industrial casing - **IP68 waterproof**
- 👁️ Integrated **NFC** chipset

TECHNICAL SPECIFICATIONS

Operating modes	<p>Advertising mode: Periodic sensor data transmission</p> <p>Connected mode: Datalogger transmission (record of saved sensor data)</p>
Parameters and configuration	<p>Interface/protocol NFC (Type 2)</p> <p>Configuration: Device Manager Suite / Mobile application (Windows / Android)</p> <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	<p>Hall effect sensor range : 2cm typ. (on the side of the "arrow" symbol)</p> <p>Magnetic event detector: Immediate transmission upon change of sensor state</p> <p>Transmitted data:</p> <ul style="list-style-type: none"> - Magnetic event counter: Total number of magnetic events detected (15 bits) - Magnetic instantaneous state (1 bit)
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	<ul style="list-style-type: none"> - Up to 10 years * - Battery voltage reading command using <i>Connected mode</i> - 15% remaining battery warning <p><i>*For more detailed battery lifetime specification please refer to autonomy spec sheet</i></p>
Operating temperature	-40°C to +85°C
Housing	<p>Ø 57mm base - Thickness 20mm</p> <p>IP68 Waterproof - Weight 36g</p> <p>DELTRIN (POM C) material – Food Grade (90/128/EEC)</p>
Standards	<p>CE (Europe): EN 300 328/EN 300 330, EN 301 489, EN 62311, EN 62368</p> <p>FCC (USA): FCC PART 15</p> <p>ISED (Canada): RSS-247/ICES-003</p> <p>RoHS certified</p>
Accessories	<p>Double-sided direct fixation of the tag: PUCK STICKER (ACIOM118)</p> <p>Tag support: PUCK HOLDER STICKER (BOT0126)</p>