

Wireless sensors



Blue COIN MOV

Ref. IDF10244



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

- **Angular position** and **motion** measurement
- Very long range: up to **200 meters** (open field)
- High lifecycle: up to **4.5 years**
- Robust industrial casing - **IP68 waterproof**
- Integrated **NFC** chipset

TECHNICAL SPECIFICATIONS

Operating modes	Advertising mode: Periodic sensor 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) • Acceleration threshold for event detection 					
Sensor option / performances	3 axis Accelerometer: <table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">Motion event detection (MOV)</th> <th style="width: 50%;">Angular position measurement (ANG)</th> </tr> </thead> <tbody> <tr> <td> Range: -8g to 8g Threshold level: between 32 and 8000 mg Motion event detector: Immediate transmission upon change of motion state Transmitted data: <ul style="list-style-type: none"> - Motion detection counter: Total number of motion events detected (15 bits) - Motion instantaneous state (1bit) </td> <td> Range: -2g to 2g Resolution: 1mg (LSB) Accuracy: ±0,5% Full scale Transmitted data: <ul style="list-style-type: none"> - Acceleration value on each axis (X, Y, Z), each on 16 bits (48 bits total) </td> </tr> </tbody> </table>		Motion event detection (MOV)	Angular position measurement (ANG)	Range: -8g to 8g Threshold level: between 32 and 8000 mg Motion event detector: Immediate transmission upon change of motion state Transmitted data: <ul style="list-style-type: none"> - Motion detection counter: Total number of motion events detected (15 bits) - Motion instantaneous state (1bit) 	Range: -2g to 2g Resolution: 1mg (LSB) Accuracy: ±0,5% Full scale Transmitted data: <ul style="list-style-type: none"> - Acceleration value on each axis (X, Y, Z), each on 16 bits (48 bits total)
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Frequency	2.4 GHz – BLE channels					
Output power	Up to +4 dBm					
Range	Up to 200 meters open field (+4 dBm)					
Power supply	3 VDC – Internal lithium battery					
Battery life	<ul style="list-style-type: none"> - Up to 4.5 years (MOV format), up to 4.7 years (ANG format) * - 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	-30°C to +70°C					
Housing	Ø 36mm base - Thickness 11,5mm - 2 mounting Ø 3mm holes, spaced by 32mm IP68 Waterproof - Weight 11g 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	COIN HOLDER STICKER (ACIOM92B) / COIN HOLDER					