

BLUE COIN MOV



Bluetooth Low Energy Motion sensor

BENEFITS

- Integrated 3 axis accelerometer for Angular position and Motion measurement
- High autonomy: up to 4.8 years
- Waterproof (IP68)
- Smart & secure programming by NFC
- Over The Air Programming (OTAP)



TECHNICAL SPECIFICATIONS

OPERATING MODE

Frequency 2.4 GHz - Bluetooth Low Energy 4.0/4.2

Output power Up to +4 dBm (configurable)

Range Up to 200 meters in open field (+4dBm)

Transmission period Advertising period (0,1 sec to 10 sec – configurable in seconds)

Radio frame format

Motion event detection (MOV)*	Angular position measurement (ANG)*
Identifier (15 characters max) (15 bytes)	Identifier (15 characters max) (2 bytes)
Motion detection counter: Total number	X-axis acceleration (mg) (2 bytes)
of motion events detected (15 bits)	Y-axis acceleration (mg) (2 bytes)
Motion instantaneous state (1 bit)	Z-axis acceleration (mg) (2 bytes)

^{*}Refer to the frames specifications for more information

Settings and configuration Connected mode

Interface/protocole: NFC (Type 2)

Datalogger transmission (record of saved sensor data)

Battery level command

Advertising mode Periodic sensor data transmission. Immediate transmission on change of

sensor state.

Sensor performance

Motion event	Angular position
detection (MOV)	measurement (ANG)
Range: - 8g to 8g	Range: -2g to 2g
Threshold level: between 32 and 8000 mg	Resolution: 1mg (LSB)
Motion event detector: Immediate transmission upon change of motion	Accuracy: ±0,5% Full scale
state	



BATTERY

Power supply 3 VDC - Internal lithium battery

Battery life MOV = up to 4.8 years* ANG = up to 4.8 years*

*Refer to the battery life curves for more information.

Battery level Low battery warning in advertising frames (<15%)

Battery voltage in scan response frames (configurable)

CERTIFICATIONS

Europe CE: EN 300 328/EN 300 330, EN 301 489, EN 62311, EN 62368

USA FCC: FCC PART 15

Canada ISED: RSS-247/ICES-003

RoHS Yes

HOUSING

Dimensions Ø 36mm base – Height 11,5mm

Weight 13g

Materials DELRIN (POM C) Compatible with food products (90/128/EEC)

Waterproof grade IP 68

Operating temperature

-30°C to +70°C

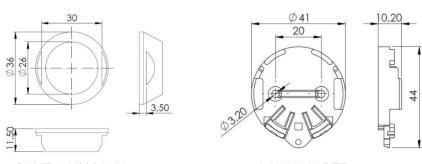
ACCESSORIES

Tag support COIN HOLDER STICKER (ACIOM92C)

COIN HOLDER (ACIOM91) COIN STICKER (ACIOM187)

3M PT1100 - Ø 34mm - Thickness: 1,1mm

MECHANICAL DRAWINGS



BLUE COIN MOV

COIN HOLDER