

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)
- Dynamic Advertising period



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 2 advertising periods can be configured (value between 0,1 and 86400 seconds). Transition from one to another according to configurable sensor threshold

Radio frame format **ELA ID** (15 bytes identifier)
ELA MOV (15 bytes identifier + 15 bits event counter + 1 bit sensor state)
ELA ANG (15 bytes identifier + 2 bytes X-axis acc + 2 bytes Y-axis acc + 2 bytes Z-axis acc)

Other frame format available on request.

Refer to the frames specifications for more informations

Parameters and configuration Interface/protocole : NFC (Type 2)
Connected mode Datalogger transmission (record of saved sensor data)
 LED indicator (ON/OFF) command
 Battery level command

Sensor performance

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	Range: -2g to 2g Resolution: 1mg (LSB) Accuracy: ±0,5% Full scale

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 / UK CA : 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/REACH Yes

HOUSING

Dimensions Ø 36mm base - hauteur 11,5mm

Weight 13g

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

Waterproofness IP 68

Operating temperature -30°C to +70°C

ACCESSORIES

Tag support **Holder + double-sided adhesive:**
 COIN HOLDER STICKER (ACIOM92C)
Holder only:
 COIN HOLDER (ACIOM91)
Double-sided adhesive only:
 COIN STICKER (ACIOM187)
 3M PT1100 - Ø 34mm – Thickness: 1,1mm

MECHANICAL DRAWINGS

BLUE COIN MOV

COIN HOLDER