

# Blue COIN MOV

×

## Bluetooth Low Energy Motion sensor

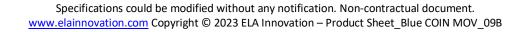
### **BENEFITS**

- Integrated 3 axis accelerometer for Angular position and Motion measurement
- High autonomy : up to 4.2 years
- Waterproof (IP68)
- Smart & secure programming by NFC
- Over The Air Programming (OTAP)
- Dynamic Advertising period
- BAF compatible depending on configuration

### **TECHNICAL SPECIFICATIONS**

#### **OPERATING MODE**

Frequency Output power Range	2.4 GHz - Bluetooth Low Energy 4.0/4.2 Up to +4 dBm (configurable) Up to 200 meters in open field (+4dBm)	
Transmission period Radio frame format	2 advertising periods can be configured (valu from one to another according to configurable <b>ELA ID</b> (15 bytes identifier)	e between 0,1 and 86400 seconds). Transition e sensor threshold
	ELA MOV (15 bytes identifier + 15 bits event counter	er + 1 bit sensor state)
	ELA ANG (15 bytes identifier + 2 bytes X-axis acc + Customize frame format (like Geotab compliance) via th	- 2 bytes Y-axis acc + 2 bytes Z-axis acc )
Parameters and configuration	Interface/protocole : NFC (Type 2)	
Connected mode	Datalogger transmission (record of saved sen	sor data)
	LED indicator (ON/OFF) command	
	Battery level command	
Sensor performance		
	Motion event	Angular position
	detection (MOV) Range: - 8g to 8g	measurement (ANG) Range: -2g to 2g
	Threshold level: between 32 and 8000 mg Motion	<b>Resolution:</b> 1 mg (LSB)
	event detector: Immediate transmission upon change of motion state	Accuracy: ±0,5% Full scale
BATTERY		
Power supply Battery life	3 VDC - Internal lithium battery MOV = up to 4.2 years* ANG = up to 4.2 years* *Refer to the battery life curves for more information.	ars*
Battery level	Low battery warning in advertising frames (< Battery voltage in scan response frames (cont	
CERTIFICATIONS		
CERTIFICATIONS		







Europe	CE /EN 300 330, EN 301 489, EN 62311, EN 62368	
*	CE /EX 500 550, EX 501 402, EX 02511, EX 02500	
UK	UKCA	
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 DRAW	INGS	

BLUE COIN MOV

COIN HOLDER

**AVAILABLE REFERENCES** 

Ref	Description
IDF10244-02A	Blue Coin MOV Bluetooth advanced features version & IP68