



WIRELESS INERTIAL SENSOR

ISEC Equipment
Model OMS

OMS V2.1

3.7V / 1300mAh



■ Detects even the smallest movements of objects.

■ Integrated temperature and humidity sensors.

■ Wireless operation with no need for charging for up to 90 days.

DEVICE PURPOSE

- The device is physically installed on the object/exhibit of interest for detecting even the smallest movement of the object/exhibit.
- The integrated accelerometer detects even the smallest movements of the object to which the device is attached.
- The detected movement triggers the device into an alarm state and immediately sends a message to the alarm center.
- The exhibit where the alarm state was detected switches to alarm status, which is visible in the client application.
- The device has integrated temperature and humidity sensors. Humidity, temperature, and battery status are read every 12 hours and are available in the client application for each object/exhibit.
- The sensor allows setting boundary values for temperature and humidity (minimum and maximum), as well as sensitivity and frequency for sending collected data to the server.

TECHNICAL SPECIFICATIONS

Power supply:	Rechargeable LiPo Battery 3.7V, 1300mAh.
Connector:	Mikro USB
Operating temperature:	-25 to 80°C
Communication protocol:	BLE
Dimensions (LxWxH):	110 x 44 x 10mm
Humidity measurement RH:	0 – 100% (± 2%)
Temperature measurement:	-25 – 80°C (± 0,2°C).
Standby operation autonomy:	90 days