



# SENSORS AVAILABLE IN OMNISCIENT PLATFORM

## OUTDOOR GEOLOCATION SENSORS

February 2021



## Industrial



### Use Case

Heavy equipment tracking,  
engines tracking

Construction equipment  
fleet management

### Technologies

**GPS, Low-Power GPS, WIFI and BLE  
3D accelerometers**

### Accuracy

GPS: 10-20 meters  
Low-Power GPS : 15-30 meters  
WIFI: 20-50 meters  
BLE : 5-15 meters

### Communication

LoRaWAN networks

### Size

145mm x 76 mm x 42 mm  
240g – IP65  
-15°C to 65°C

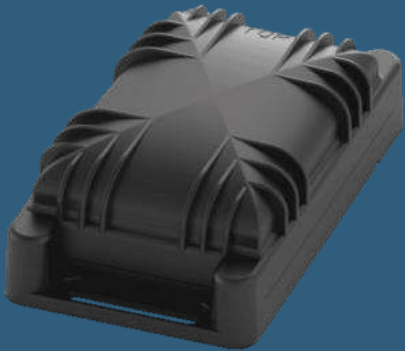
### Operating mode

Motion tracking, Periodic positioning, Activity tracking, BLE sensors automated inventory

### Battery life time

Lithium 19Ah  
1 GPS position / hour: 1.5 year  
1 LP-GPS / hour: 5 years  
1 WIFI position / hour : 10 years

## Compact



### Use Case

Heavy duty assets tracking,  
harsh surrounding

Construction equipment  
fleet management

### Technologies

**GPS, Low-Power GPS, WIFI and BLE  
3D accelerometers**

### Accuracy

GPS: 10-20 meters  
Low-Power GPS : 15-30 meters  
WIFI: 20-50 meters  
BLE : 5-15 meters

### Communication

LoRaWAN networks

### Size

112mm x 66mm x 33mm  
190g – IP68, IK08 – exists in ATEX Zone II version  
-20°C to 65°C

### Operating mode

Motion tracking, Periodic positioning, Activity tracking, BLE sensors  
automated inventory

### Battery life time

LiSOCI2 8Ah (3xAAA/3.6V)  
Replaceable batteries  
1 GPS position / hour: 1 year  
1 LP-GPS / hour: 4 years  
1 WIFI position / hour: 7 years

## Micro



### Use Case

Personal tracking with help button. Lone worker protection.

Valuable assets tracking

### Technologies

**GPS, Low-Power GPS, WIFI and BLE  
3D accelerometers**

### Accuracy

GPS: 10-20 meters  
Low-Power GPS : 15-30 meters  
WIFI: 20-50 meters  
BLE : 5-15 meters

### Communication

LoRaWAN networks

### Size

59mm x 34mm x 13mm  
21g – IP64 - LED  
-10°C to 55°C

### Operating mode

Motion tracking, Periodic positioning, Activity tracking

### Battery life time

Lithium Polymer 0.45Ah – rechargeable battery (micro USB)  
1 GPS position / hour: 2.4 weeks  
1 LP-GPS / hour: 3.6 months  
1 WIFI position / hour: 5 months

## Smart badge



### Use Case

Safety and security of workforce

Panic / SOS button

Signal danger zone (buzzer)

### Technologies

**GPS, Low-Power GPS, WIFI and BLE  
3D accelerometers**

### Accuracy

GPS: 10-20 meters  
Low-Power GPS : 15-30 meters  
WIFI: 20-50 meters  
BLE : 5-15 meters

### Communication

LoRaWAN networks

### Size

90mm x 65 mm x 11 mm  
80g – IP65 – LED, buzzer  
-10°C to 55°C

### Operating mode

Motion tracking, Periodic positioning, Activity tracking

### Battery life time

Lithium Polymer 1.3Ah – rechargeable battery (magnetic USB charger)  
1 GPS position / hour: 1.5 months  
1 LP-GPS / hour: 9.6 months  
1 WIFI position / hour: 1.6 year

## Simple pack 4.0 plus wifi



### Use Case

Tools and small equipment tracking in urban and sub-urban areas.

Personal safety

### Technologies

WIFI  
3D accelerometers

### Accuracy

WIFI: 20-50 meters

### Communication

SIGFOX networks

### Size

81mm x 29.5 mm x 12 mm  
30g - IP68  
-40°C to 65°C

### Operating mode

Motion tracking, Periodic positioning, Activity tracking

### Battery life time

LiMnO2 1.5Ah  
1 WIFI position / hour : 2 years  
30,000 messages

*Options: Magnetic switch, precision temperature.*

## Simple pack 4.0 Door eCompass



### Use Case

Detect opened / closed door position, change of orientation, shock

### Technologies

**3D accelerometers**  
**Magnetometer, compass**

### Accuracy

No geolocation available

### Communication

SIGFOX networks

### Size

81mm x 29.5 mm x 12 mm  
30g - IP68  
-40°C to 65°C

### Operating mode

Activity tracking

### Battery life time

LiMnO<sub>2</sub> 1.5Ah  
30,000 messages

## STC2



### Use Case

Construction equipment  
fleet management

Large tools tracking

### Technologies

GPS, WIFI, BLE  
3D accelerometers

### Accuracy

GPS: 10-20 meters  
WIFI: 20-50 meters

### Communication

LoRaWAN networks

### Size

105mm x 44 mm x 29 mm  
IP68  
-20°C to 65°C

### Operating mode

Motion tracking

### Battery life time

Lithium 3.2 Ah  
1 GPS position / hour: 6months  
1 WIFI position / hour: 3 years



## Primis



### Use Case

Tools and small equipment tracking in urban and sub-urban areas.

Activity tracking

Digital input to report external sensors activity

### Technologies

WIFI  
3D accelerometers

### Accuracy

WIFI: 20-50 meters

### Communication

SIGFOX networks

### Size

92mm x 35 mm x 26 mm  
IP65  
-20°C to 65°C

### Operating mode

Motion tracking, Activity tracking

### Battery life time

Lithium 3 Ah  
1 WIFI position / hour: 3 years

## Balise GPS Locbok nano



### Use Case

Vehicle tracking with a high refreshment rate (1 location every min in movement)

### Technologies

GPS  
accelerometers

### Accuracy

GPS: 10-20 meters

### Communication

GSM networks multi-operator SIM card

### Size

76mm x 58 mm x 16 mm  
66g - IP65  
-15°C to 55°C

### Operating mode

Motion tracking

### Battery life time

Lithium 1.5 Ah – rechargeable battery  
1 GPS position / min – 8 hours a day: 3 days  
1500 messages or 6 months in stand-by

## GEO 402 Off Road



### Use Case

Vehicle tracking with a high refreshment rate (permanent tracking)

### Technologies

GPS  
accelerometers

### Accuracy

GPS: 10-20 meters

### Communication

GSM networks multi-operator SIM card

### Size

72mm x 73 mm x 27 mm  
135g - IP67  
-15°C to 55°C

### Operating mode

Motion tracking

### Battery life time

Vehicle power supply + emergency 0.3 Ah battery

# BLE sensors compatible with Omniscent « Bubble » feature

## “Bubble” Kit



### The location « Bubble » Kit includes:

- 10 BLE sensors to stick on tools and small items
- 1 GPS tracker with BLE scanning features
- Public LoRa connectivity
- Omniscent app and dashboards



Company					
Name	Blue PUCK	Blue ANCHOR	Blue COIN	Blue LITE	Viking Standard
Size	57mm (diam) x 18 mm (height) IP68	119mm x 50mm X 24mm (height) IP68	36mm (diam) x 10 mm (height) IP68	45mm x 23.2mm x 5.3mm IP65	55mm x 56 mm x 19 mm 45g - IP68
Battery life time	5 years	> 10 years	12 to 18 months	12 months – replaceable battery (CR2032)	7 years



<http://myomniscient.com>  
6 rue troyon 92310 Sèvres – France

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**Nicolas LEMAIRE**  
**CEO**

[nicolas.lemaire@myomniscient.com](mailto:nicolas.lemaire@myomniscient.com)

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**Laëtitia TALBOURDET**  
**Sales Director**

[Laetitia.talbourdet@myomniscient.com](mailto:Laetitia.talbourdet@myomniscient.com)