

Sense^{IoT} Locate – Kinetic

The Sense Locate – Kinetic IoT device includes robust and durable Bluetooth Low Energy beacons equipped with a temperature sensor, accelerometer and Hall effect sensor for asset tracking. The BLE beacon can easily be configured via a smartphone application and in-built Near Field Communication (NFC). The ultra rugged construction of the device makes it suitable for a huge range of IoT and IIoT applications.



Applications

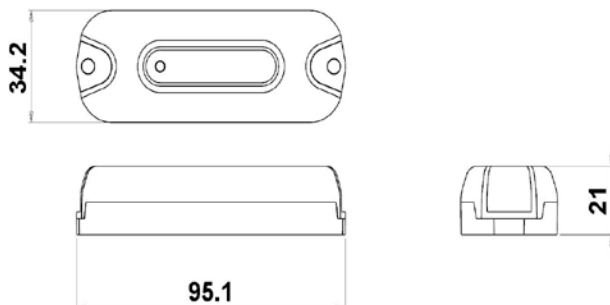
The Sense Locate – Kinetic device is ideal for applications requiring medium range tracking such as:

- ▶ Hospitals
- ▶ Manufacturing facilities
- ▶ Warehouse management
- ▶ Cold chain condition monitoring
- ▶ Container management
- ▶ Facilities management
- ▶ Ports construction and mining
- ▶ Asset management

Physical Specifications

Construction	Overmolded durable, shock resistant TPE (Thermoplastic elastomer)
Size (mm)	95.1 × 34.2 × 21
Size (in)	3.74 × 1.35 × 0.83
Weight (g)	59
Attachment	Mechanical (std)

Dimensions



Dimensions in mm

Operational Specifications

Radio Protocol	Bluetooth 4.2, +8dBm to -15dBm NFC (Beacon configured via NFC)
Supported Profiles	iBeacon, Eddystone UUID, Generic
Battery Type	Sealed prismatic battery, non-replacable
Battery Capacity	1.5 Ah
Battery Life	5 years, 5% motion, 10 second beacon rate
Read Range	200 m+ depending on reading device
Default Beacon Rate	Configurable from 1–10 seconds
Alarm Beacon Rate	Configurable from 0–10 seconds (where 0 is off)
Sensors	Accelerometer, Temperature
Temperature Sensor Range	-20°C to +60°C with an accuracy of ± 2°C
Visual Indicator	LED

Environmental Specifications

Operating Temperature	-20°C to +60°C
IP Rating	IP68
Shock & Vibration	MIL-STD-810 F

Sense IoT

Intelligent, powerful IoT devices

Powerful Features

- ▶ Rugged Bluetooth Low Energy Device
- ▶ Sensors: Temperature, Accelerometer
- ▶ Long battery life — up to 5 years in typical settings
- ▶ High read concurrency



Related System Components

BLE Technology Evaluation Kit

Including BLE devices, software and user guide

Configurable Parameters

Device Type (Generic, iBeacon, Eddystone UUID)

Default Beacon Rate (in seconds)

High Temperature Threshold

Alarm Beacon Rate (in seconds)

Low Temperature Threshold

Accelerometer Threshold

Ordering Information

Part Number

CP13888 (Generic profile)

Warranty

1 year

Certifications:



Meeting Your Requirements

Our Sense range of IoT devices has been designed with a wide range of use cases in mind. However, we realise that your exact requirements may not be met by an 'off the shelf' product and a combination of the many features in the Sense range could be required. Our engineers and technical teams like nothing more than to solve specific tracking and communication challenges (it's what gets them out of bed in the morning) and we would be happy to consider a bespoke version of 'Sense' tailored to your particular scenario. **Contact us at sales@omni-id.com to find out more.**



Omni-ID office locations: US | UK | China | India

For product or technology inquiries email: sales@omni-id.com