
Low Power Small Equipment Tracker



Key Features

- Tracker using LoRa™ location
- Connects to Semtech Lora™ networks
- Movement detection
- 3-axis accelerometer to measure the activity
- Magnetic switch
- IP67
- Temperature monitoring

Key Performances

- LoRa™ precision: 100m
- Battery life time: up to 8 years
- Tube size: 120mm length x 19mm diameter

Applications

- Asset & Vehicle Tracking
- BTP
- Logistics

Product Concept

ToolTrack™ is a small battery powered tracker fixed on any equipment to monitor efficiently assets' activity and position with Semtech LoRa™ radio system making this product ideal for low-power small size equipment tracking applications. A magnetic switch is available to register the device on the network or to do a reset. An algorithm allows the ToolTrack™ solution to monitor activity and raise alerts.

Specifications

- **Frequency band :** ISM band: 863 MHz – 870 MHz
- **Output power :** 14 dBm
- **Sensitivity :** -125 dBm
- **Antenna:** 3D antenna
- **LoRaWAN compliant:** 1.0 Class A
- **Operating temperature:** -15°C - +65°C

Battery Lifetime example

Use Case	Battery Life (Approx.)
1 radio transmission per day, on movement detection and when the magnetic switch is operated (acknowledgment)	6 years