farmdeck

powered by Outcomex

Sensor Description

Working with the Farmdeck app, the asset sensor ensures that you always know where your assets are and how they are performing. With GPS capabilities, the sensor allows you to track in near real time if your vehicle is in motion, where your vehicle is and where it has travelled.

Mechanical monitoring capabilities also allows farmers to gain vehicle usage data such as fuel consumption, battery life and usage, and oil use. Our sensor has rollover detection, alerting farmers when a vehicle has rolled over, so they can promptly attend to the incident.

Features

- Tracks assets with GPS in real time and remotely monitor movement, travel distance and speed
- Movement detection
- Roll over alerts enabled for safety
- Temperature monitoring

Applications

- Used on quad bikes and vehicles to track their location and mileage
- Gather evidence for fuel tax credits (FTC)
- Keep track of machinery usage and milage for maintenance records

63mm

85mm

24mm

Mechanical Features

Housing	IP67 housing, UV-resistant
Dimensions (mm)	85mm x 63mm x 24mm
Weight	110g (with batteries)
Case Material	UV-stabilized ABS plastic

Device Power Supply

Battery	Solar panel with 1000 mAh battery
Expected battery life	Up to 5 years

Operating Conditions

Temperature	-20°C to +60°C
Hibernation	10uA (microamps)

Radio/Wireless Connection

Wireless technology	LoRaWAN 1.0.3/1.1
Supported LoRaWAN device type	Class A End-device
Supported LoRaWAN Regions	US902 - 928,AS923, AU915 – 928, KR920-923
Configuration	OTAA, ABP, ADR

Data Type

	Latitude / Longitude, 6 axes gyroscope (m/s).

Optional Cellular Connection

Wireless Technology	LTE-M/NB/IoT
Supported LTE Bands	LTE-M (Cat-M1): B1, B2, B3, B4, B5, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B66 NB-IoT (Cat-NB1/NB2): B1, B2, B3, B4, B5, B8, B12, B13
SIM card and format	Internal Nano 4FF SIM