

Sensor Description

Designed to integrate seamlessly with the **Farmdeck app**, this advanced livestock sensor provides real-time animal tracking through GPS capabilities. It enables farmers to:

- **Monitor Location in Real-Time:** Track the precise location of livestock across your paddocks.
- **Health & Activity Insights:** Assess health metrics and activity levels, including movement patterns (stationary, walking, running) and stress indicators.
- **Geofencing Alerts:** Receive instant notifications if an animal breaches paddock boundaries, ensuring prompt action to prevent escapes.



Features

- GPS location and heading
- Animal health tracking records
- Animal behaviour alerts
- Geofencing
- Activity
- Anti-theft

Applications

- Animal tracking
- Record keeping
- Paddock management
- Livestock safety management



Mechanical Features

Housing Double prong livestock ear tag

Dimensions (mm) 77 x 80 x 15 mm

Weight 26 g with solar panel

Case Material PC (polycarbonate) and TPE

Device Power Supply

Battery Solar panel with 250 mAh battery

Expected battery life Up to 5 years

Operating Conditions

Temperature -40°C to +125 °C

Radio/Wireless Connection

Wireless technology LoRaWAN 1.0.3/1.1

Supported LoRaWAN device type Class A End-device

Supported LoRaWAN Regions AS923, AU915, EU868, KR920, IN865, US915

Configuration OTAA

Data Type

Latitude / Longitude, accelerometer