

Sensor Description

Working with our Farmdeck app, our electric fence monitor provides near real-time monitoring and the ability to view the electric fences' information at a glance.

With its weather and waterproof enclosure, and the ability to be mounted in limitless ways with our custom built brackets, our electric fence monitor is suitable for electric fences in different environments and fence lengths.



Features

- Accurately and continuously measures the voltage on the fence.
- Compatible with, and will monitor the fence voltage of any high voltage fence.
- Provides an alert when there is a reduction in fence voltage, implying a fault.
- Monitors sensor's battery life and signal strength
- Monitors status of the electric fence (on/off)

Applications

- Voltage reading and monitoring
- Electric fence faulty alert notifications



Electric Fence Monitor

Mechanical Features	
Housing	Secure hinged clip-on lid with rubber seal-tight edges
Dimensions (mm)	110 x 155 x 70 mm
Weight	approx. 155 grams, 190grams (with battery)
Case Material	ABS, polycarbonate and polyester
Device Power Supply	
Battery	1x D-Type 3.6V Primary Lithium Thionyl Chloride (Li-SOC12) Operating temperature range -55°C to +85 °C
Expected battery life	Up to 7 years, depending on configuration and environment
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	US902 - 928,AS923, AU915 - 928, KR920-923
Configuration	OTAA, ABP, ADR
Data Type	
Voltage	0kV - 12kV
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