

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.

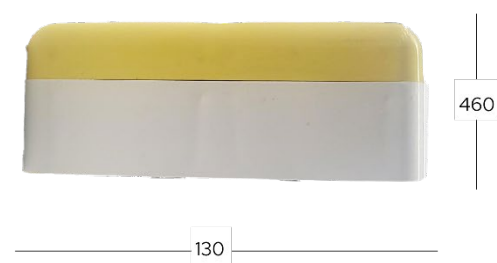
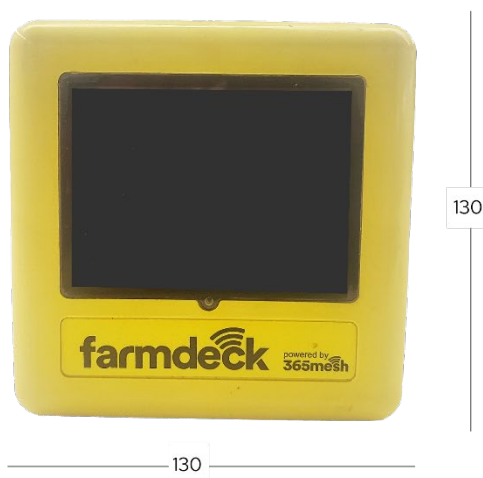


Features

- Accurately and continuous 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

Datasheet | Published 20.06.2022

Mechanical Features

Housing	Two part air tight case, lid with rubber seal-tight edges
Dimensions (mm)	130 x 130 x 46 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
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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
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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