Pump Monitoring

365mesh

Sensor Description

Working with the Farmdeck app, the pump sensor allows farmers to get a better understanding of pump system conditions and maintenance needs, improved energy efficiency and the potential to view data anytime, anywhere.

Features

- Monitor the fluid flow rate in pumps and fans
- Sends alerts when over filled or goes below a specific amount

Applications

- Used to evaluate viscosity changes
- Control optimum feed rate in compliance to input and output specifications is a transmission system, pump system, fan installation, etc,

155

110

70

outcomex

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 -55ºC to +85 ºC
Expected battery life	Up to 7 years, depending on configuration and environment

Operating Conditions

Temperature	-40ºC to +125 ºC

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