

Sensor Description

Working with the Farmdeck app, the water pressure sensor is a critical piece when it comes to pumping and irrigation.

Farmdeck's water pressure monitoring sensor ensures an accurate reading each time and monitors water systems for faults through the fluctuation of pressure.



Features

- Real-time alerts for fluctuation of water pressure
- Historical reports for recorded trends and patterns

Applications

- Pump and irrigation management



Water Pressure Monitoring

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

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

0-6 Bar gauge pressure	(0-87 psi)
Readings	10 minutes - 1 hour readings
Accuracy	+/-1% FS

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