

Sensor Description

Working with the Farmdeck app, the water flow sensor monitors water flow in water sources such as tanks, troughs, and dams, and receive alerts when water flow drops or reaches a certain rate. Pulses are counted continually with the accumulated count reported periodically. This information is displayed on our Farmdeck dashboard and kept for historic record purposes.



Features

- Monitors water levels in near real time
- Sends alerts when water overflows or drops past a certain threshold
- Can be used with all water sources
- Can be mounted on various surfaces

Applications

- Water tanks
- Water troughs
- Dams and creeks
- Where ever water flows



Water Flow Monitoring

Datasheet | Published 20.06.2022

Mechanical Features

Housing	IP76 enclosure
Dimensions (mm)	126mm x 86mm x 36mm
Weight	245g with batteries
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

Water level reading	In mm, % of water level, % empty
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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