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Sensor Description

Working with the Farmdeck app, the water flow sensor monitors water flow in water sources such as tanks, troughs, and damns, 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
- Damns and creeks
- Where ever water flows





Water Flow Monitoring





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
Radio/Wireless Connect	ion
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
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