

Water Level Monitoring

Datasheet | Published 20.06.2022

Sensor Description

Working with the Farmdeck app, the water level monitoring sensor monitors water levels in real-time, including water tanks, dams, troughs, and turkey nests.



Features

- Visibility over all water resources at any time
- Water level history
- View where all your water sources are through the water map
- Set and receive alerts

Applications

- Smart water management
- Water data and analytics to resolve issues proactively



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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

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