# Water Pressure Monitoring

**365mesh**

powered by Outcomex

## 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

**outcomex**

## Mechanical Features

| | |
|---|---|
| Housing | IP67 enclosure with twist capsule |
| Dimensions (mm) | 340mm x 180mm x 120mm with bracket |
| Weight | 420g with battery |
| Case Material | UV-stabilized ABS plastic, stainless steel |

## 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 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 |