

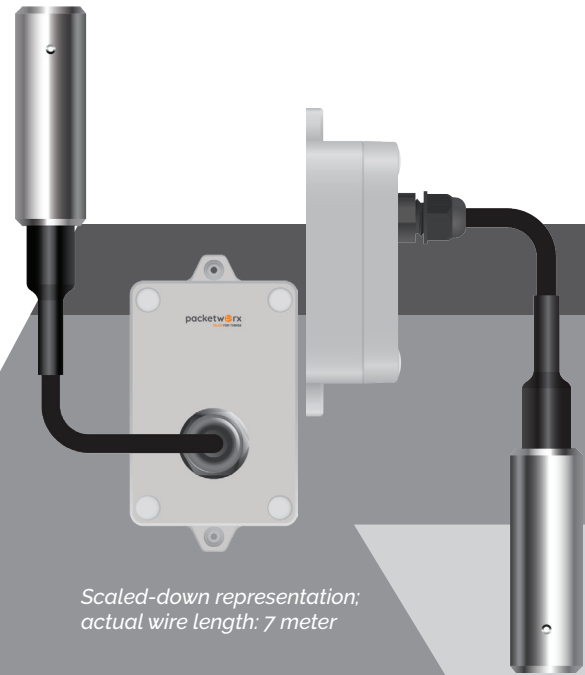
packetSENSE

Submersible Hydrostatic Pressure Level Sensor



The **packetSENSE Submersible Hydrostatic Pressure Level Sensor** is a cutting-edge, real-time monitoring device that operates on a LoRaWAN network. The device provides continuous measurement of liquid levels by sensing the hydrostatic pressure produced by the height of the liquid above the sensor.

With a focus on energy efficiency, the packetSENSE Submersible Hydrostatic Pressure Level Sensor is energy efficient and, thus, consumes very little power, making it an ideal solution for a range of applications, including commercial and industrial settings.



Scaled-down representation;
actual wire length: 7 meter

Features

- The level sensor is resistant to abrasion, oil, acid and alkali.
- Can be installed indoors and outdoors
- Can be installed in static water and flowing water
- Long battery life (*up to two to three years*)
- LoRaWAN® compatibility

Applications

- Deep well measurement
- Hydraulic Monitoring to Rivers and Sea
- Sewage Treatment
- Muddy Liquid Level Measurement
- Liquid Reservoir Level Measurement
- Water Saving Irrigation
- Water Diversion Project

Technical Specifications

Data Communication Supported

Technology	LoRaWAN®
Frequency	EU868/AS923-3
Tx Power	25dBm

Electricals

Power Source	Battery
Battery Capacity	4000mAh
Battery Type	Lithium
Supply Voltage	3.6V

General Specifications

Measuring Range (Pressure)	0 – 0.5m...200m H ₂ O <i>*Customizable upon request</i>
Accuracy	±0.25% F.S. ±0.5% F.S.
Stability	0.2% F.S.
Protocol	MODBUS RS485
Resolution	0.01 meters
Pressure Type	Gauge
Weight	0.6kg (with 5m cable)
Material	Probe: Stainless steel Housing: 304/316L /Titanium alloy
Ingress Protection	IP68
Working Temperature	-25°C – +70°C
Mounting	Inverted Mounting

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WE CONNECT THINGS

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