

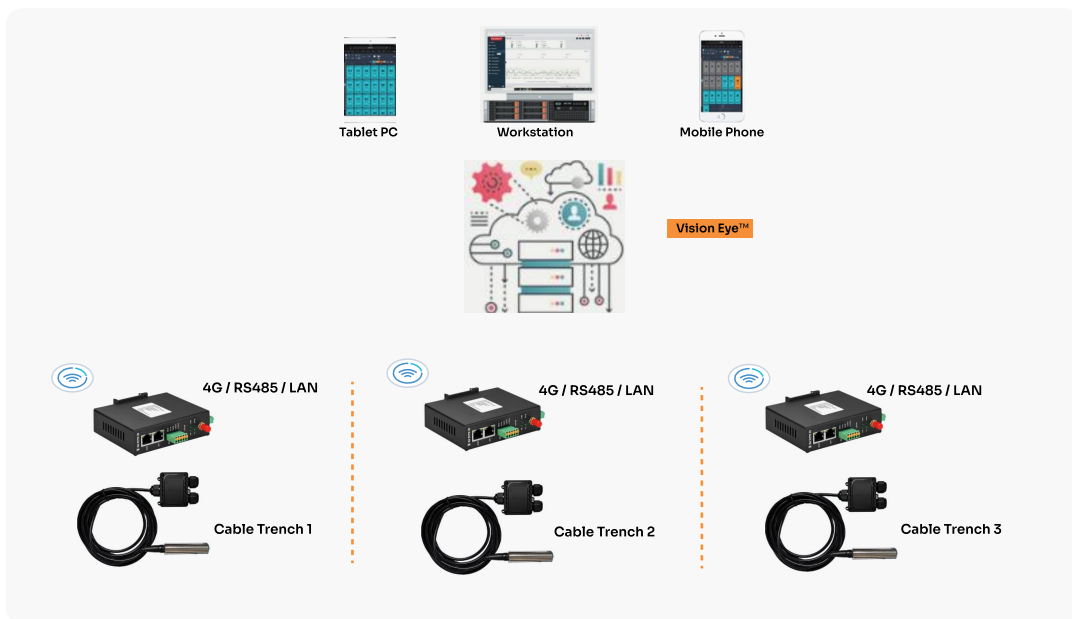
PTSPS115 Water Level Sensor System

Product Overview

The PTSenR™ PTSPS115 is a state-of-the-art water level monitoring sensor designed for challenging environments, such as underground cable trenches and electrical switch rooms. With factory automation on the rise, there is an increasing need for reliable electronic monitoring equipment. This sensor addresses the critical issue of water logging in areas with concentrated underground cables, preventing potential hazards like insulation impairment, water intake, and explosions.

By offering continuous and accurate water level data transmission, the PTSPS115 ensures early detection of water accumulation, thus enhancing safety and reducing the risk of equipment damage. The sensor supports battery power supply and communicates data to a centralized system, eliminating the need for manual inspections and maintenance.

System Architecture



Applications

Remote Monitoring Sites



Underground Cable Trenches Prone to Water-logging



Man Hole



Characteristics

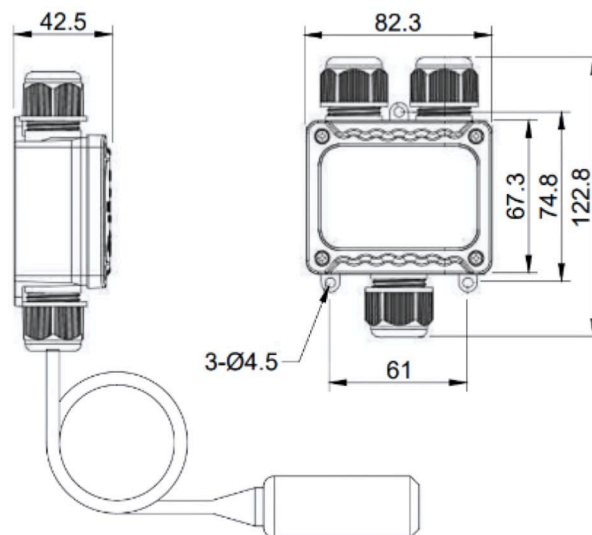
The PTSenR™ PTSPS115 water level monitoring sensor offers advanced features tailored to demanding environments. Its wireless data transmission capability removes the need for extensive and messy wiring, providing seamless integration into existing systems. Designed for continuous operation, it ensures round-the-clock monitoring throughout the year, delivering accurate water level measurements with high precision. The sensor is easy to install, requiring no human intervention, which simplifies the setup process and reduces maintenance efforts.

Built with robustness in mind, the PTSPS115 boasts strong anti-interference properties and an IP68 waterproof rating, making it suitable for harsh conditions. The versatile design allows for multiple installation options, including strip, nut, and wall mounting, ensuring flexibility in various applications.



Dimensions

(Unit: mm)



Specifications

Power Supply Input	DC 12 V ~ 36 V
Measurement Range	0 ~ 3 meters, available specification (1 m, 3 m, 4 m, 5 m, 6 m, 7 m, 8 m, 9 m, 10 m)
Measurement Accuracy	0.5% FS
Water Line Length	3 meters
Communication Mode	RS 485
Protection Level	IP 68
Flammability Rating	V 0 (700°C 30 seconds)
Installation Mode	Strips, nut mounting or wall mounting
Miscellaneous	
Operation Temperature	-40°C ~ 85°C

Relative Humidity	≤95% RH (non-condensing)
Storage Temperature	-10°C ~ 75°C
Service life	5 years
Compliance...	EN 62479; EN 61326; EN 220, 300, 301, 400, 489

Ordering Information

Part Number	Product Description
PTSPS115	PTSenR™ Water Level Sensor
PTSPSBOX	PTSenR™ Smart Box Gateway