Water Level Transmitter

Model: WLT13010 / WLT16035

Product Overview

The WLT series is a submersible hydrostatic pressure sensor for measuring water depth in tanks, wells, rivers, and reservoirs. The sensor measures the hydrostatic pressure of the water column above it and converts this to a depth reading. Constructed from SST304 stainless steel, the sensor is designed for continuous submersion. Data is transmitted via RS485 Modbus protocol.

Applications

- Water tank and reservoir level monitoring
- Borehole and well water level measurement
- River and stream level monitoring
- Irrigation water storage management
- Flood monitoring systems
- Aquaculture pond level control
- Groundwater monitoring

Measurement Specifications		Electrical Specifications	
Measurement Media	Non-corrosive Water	Power Supply (Input)	5 - 30V DC
Model WLT23010 Depth Range	0 - 1.0 m	Signal Output	RS485
Model WLT26035 Depth Range	0 - 3.5 m		
Customisable Range	Up to 100 m		

Environmental Specifications		Measurement Accuracy	
Operating Temperature	-20°C to +85°C	Measurement Accuracy	±0.5% FS

Physical Specifications		Cable & Connection	
Housing Material	SST304 (SST316 for corrosive water)	Model WLT13010 Cable Length	3 meters
Housing Dimensions	27 mm (dia) × 157 mm (L)	Model WLT16035 Cable Length	6 meters
		Custom Length	Available on request
		Connector Type	M12, 4 Pin Male A Code (PG9)

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Installation Notes

- Lower the transmitter into the water and position it close to the bottom of the tank or water body
- Secure the cable at the top to prevent movement of the sensor
- Do not stretch the cable tightly - allow some slack to accommodate water level changes
- Match the M12 connector protrusion with the female connector dent during installation
- Tighten the M12 connector nut securely to ensure a watertight seal
- For corrosive water applications, specify SST316 housing material when ordering

Certifications & Compliance
CE | UKCA | RoHS

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