

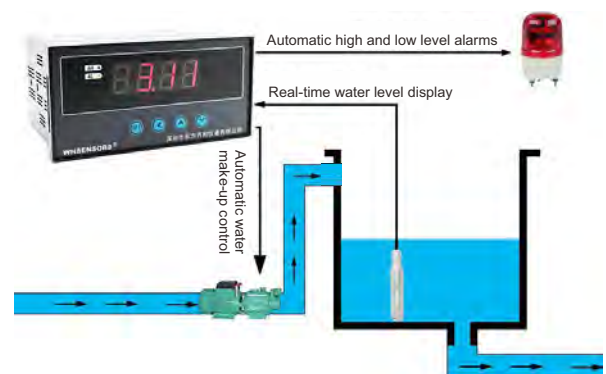
Submersible level transmitter

Submersible level transmitter from TPMC delivers accurate, continuous, and real-time liquid level measurement using the hydrostatic pressure principle ($P = \rho gH$). The probe is fully submerged in the liquid, where a built-in diffusion silicon sensor detects the pressure from the liquid column and converts it into a stable electrical signal. A vented cable automatically compensates for atmospheric pressure, ensuring high accuracy and long-term stability.



CE

- Certificate: CE
- Standard: Conforms to NFPA 22, GB 50974-2014
- Feature: Reverse polarity, over-voltage, and current limiting protection
- Temperature: -20°C to 85°C
- Protection: Probe IP68



Main parts and feature

Probe	SS 304 / SS 316L housing, built-in diffusion silicon pressure sensor and SS 316L isolation diaphragm	Cable	Polyurethane jacket, with vent tube
Terminal display box	Die-cast aluminum (non-wetted), with on-site value indication	Remote Monitoring	Signal transmission up to 5 km to fire control rooms, or PLC systems
Applicable liquid	Water, oil, and liquids (Density range 0.8 ~ 1.1 g /cm ³)	Optional component	Temperature measurement integration, explosion-proof configuration

Available sizes

Operating voltage	Measuring range	Measuring accuracy	Measuring media	Output	Mounting	Ref. No.
24V DC	0 ~ 10 m	0.5% / 0.25% FS	Water, etc.	4-20 mA / RS485	Drop-in	U9501 (CE)
24V DC	0 ~ 50 m	0.5% / 0.25% FS	Water, etc.	4-20 mA / Rs485	Drop-in	U9502 (CE)

Note:

1. For drop-in mounting, directly suspend the probe into the liquid via the cable. No sidewall openings or piping modifications are required.
2. Measuring range, wetted material grades, and specialized process connections can be customized to suit specific project footprints.