

ROSEMOUNT™ 3051S SUBMERSIBLE LEVEL TRANSMITTER

Quick and easy remote level measurement.

Level Measurement Solution Using Proven Rosemount™ Technology

New submersible pressure sensing technology allows for remote level measurements using the industry-leading Rosemount 3051S Wireless Pressure Transmitter. This fully-integrated solution enables quick and easy instrument deployment for remote level measurement applications, with best-in-class accuracy and reliability.

Key Features:

- An installation-ready solution for level and process temperature measurements in remote applications.
- Wireless technology for quick deployment and eliminates wiring design and construction complexities.
- Compatible with existing Emerson WirelessGateway, configuration and commissioning tools.
- Extended range antenna capabilities provide monitoring, diagnostic, and configuration access in remote locations.
- Our SmartPower™ solutions provide up to 10-year maintenance-free operation and battery replacement without transmitter removal.
- WirelessHART® technology is secure, cost-effective, and delivers > 99% data reliability.
- Optional LCD display provides local readouts of level measurement and process temperature measurement values.

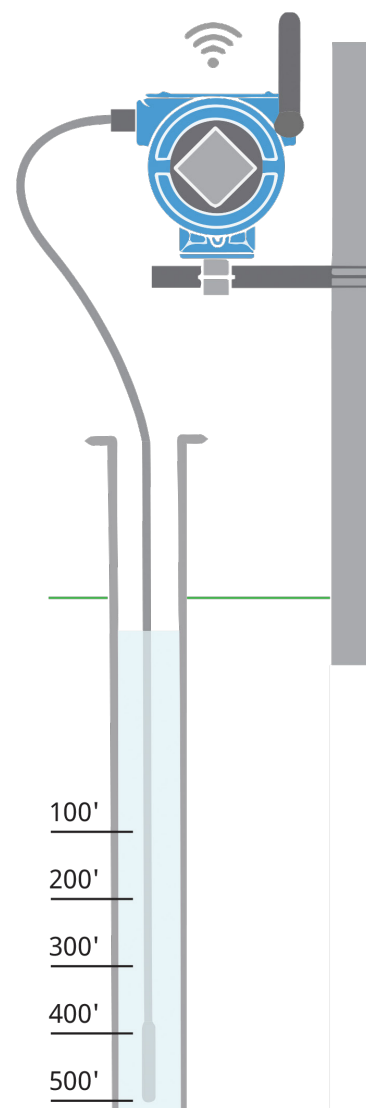


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Specifications	
Measurement Range	Selectable measurement ranges from: 0 to 30 psi (0 to 69 FT H ₂ O); 0 to 150 psi (0 to 346 FT H ₂ O)
Accuracy	Level accuracy $\leq \pm 0.075\%$ Span from -10° to 50 °C (non-freezing liquids) Process temperature accuracy $\leq \pm 2.8$ °C from -10° to 50 °C
Temperature	Operating temperatures from -40° to 85 °C for transmitter head, -10° to 50 °C for submersible sensor (nonfreezing liquids)
Battery Life	Up to 10-year life, field replaceable (order separately)
Update Rate	User-selectable update rate from 1 seconds to 60 minutes
Dimensions	Streamlined submersible sensor enables easy deployment with a diameter of 0.75" (20 mm) XLPE cable with 1 ft markings to facilitate easy installation of submersible sensor to desired depth
Process Wetted Material	316L SST sensor wetted materials and XLPE cable material
Wireless Range	Long range (225 m), extended range (800 m), remote (225 m) and high-gain remote (1 km)

3051S Inline Gauge Ordering Options:

Process Connection Code	Description
S10	Submersible Level Sensor with 100' Cable
S20	Submersible Level Sensor with 200' Cable
S30	Submersible Level Sensor with 300' Cable
S40	Submersible Level Sensor with 400' Cable
S50	Submersible Level Sensor with 500' Cable



Standard submersible cable lengths up to 500 ft (150 m) can be user modified to specific length on site.

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