

Submersible pressure transducer



Highly precise even under pressure

The FTS Submersible PT provides outstanding Total Error Band (TEB) accuracy for reliable, accurate measurements in real-world conditions. The FTS Submersible PT is ideally suited for environmental monitoring applications such as surface water, streams, and reservoirs using existing SDI-12 monitoring equipment. The FTS Submersible PT is ideal for remote applications where battery-powered operation with minimal current draw and networking multiple sensors to a data recorder are required. And, the included lightning protection makes it more robust for installation in areas prone to high current and voltage transients.

- Standard $\pm 0.1\%$ FS TEB or optional USGS OSW accuracies available
- Meets OSW spec on ranges up to 70 ft W.C. from 0...40 °C.
- 16-bit internal digital error correction for cost-effective low Total Error Band (TEB)
- 316L stainless construction standard; optional titanium for severe applications.
- Built in the U.S.A.; ARRA Section 1605 Compliant.

APPLICATIONS

- Lakes, rivers and canals
- High water endangered areas
- Water reservoir
- Dams
- Water management

Professional Line	Submersible pressure transducer
Meas. range pressure	Infinite between 0...3 mm and 0...900 ft W.C. *)
Accuracy temperature	typ. $\pm 0.3\text{ }^{\circ}\text{C}$
Accuracy pressure	Standard $\pm 0.1\%$ FS TEB Optional $\pm 0.01\text{ ft WC}$ when reading $\leq 10\text{ ftWC}$ or $\pm 0.1\%$ of reading $> 10\text{ ftWC}$
Resolution temperature	0.01 °C
Resolution pressure	0.0005 % FS
Output	SDI-12 • RS485
Protocols	SDI-12 • MODBUS RTU

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Professional Line	Submersible pressure transducer
Range of application	-10...80 °C
Power supply	6...32 VDC
Current consumption	5.5 mA • 0.1 mA (Standby)
Load resistance	(Supply-6 V)/0.0055 A
Baud rate	1200 bits/s
Dimensions	Length 95 mm • Ø 21 mm
Housing	316 L Stainless Steel • Titanium (optional) • Polyamide • Fluorocarbon
Protection class	IP 68
Standards	CE: EN50081-1, EN50082-2
Cable	Polyethylene for general purpose • Hytrel for hydrocarbon • Tefzel for chemical interaction
Accessories (order separately)	18639: Cable for SDI-PT-KEL - per meter SDI-SPT-INT-FL: Desiccant Enclosure

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