PT-500 Submersible Liquid Level Transmitter



The PT-500 is a rugged submersible pressure transmitter designed for tank liquid level measurement, water and wastewater applications, well depth measurement, and offshore water depth measurement.

Features

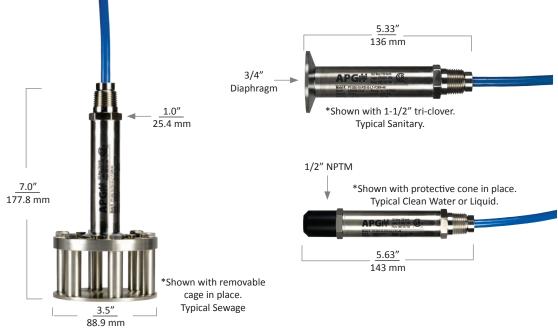
- Simple to install •
- High precision, solid state signal: 4-20 mA or RS-485 Modbus/RTU •
- Exclusive, removable and reusable cage •
- 1/2'' NPTM on cable end for use with conduit •
- cCSAus hazardous location approved •
- Durable transducer face .

W. H. Cooke & Co., Inc. Supplier of industrial controls, heaters, and sensors since 1963

Manufacturer of thermocouples & RTD's Made in the USA

sales@whcooke.com

PT-500 Specifications



Performance

- Accuracy (linearity, hysteresis, & repeatability): up to 0.10% of span (B.F.S.L.)
- 1 Year Stability: ≤ 0.75% of span •
- Temp Compensation Range: 32° - 122°F (0° - 50°C)
- Temp Effects on Zero & Span: ≤ 0.025% FS/°F @ 70°
- Frequency Response: Less than 5mS

Connectivity

Output: 4-20 mA 0-5V mV/V Modbus/RTU (RS-485)- with temp. output

Environmental

Maximum Depth: Submersible up to 462.2 ft. (300 psig)



Certification

- CSA Intrinsically Safe: (4-20 mA only) Class 1, Division 1; Groups C & D Ex ia IIB T4 Class 1, Zone 0, AEx ia IIB T4 Ambient: -40 - 85°C
- U.S. Patent No. 7,787,330

- **Electrical**
- Supply Voltage: 10-28 VDC
 - Electrical Connection: - Vented watertight cable w/free ends - Non-vented cable Up to 200 lbs tensile strength
- Electrical Protection: Lightning and Surge protection is built in. Protected against reverse polarity, surge per IEC 61000-4-5





Physical

- Housing: 316L SS
- Cable: Urethane

- Hytrel
- Protective Cone: Delrin
- Overmolded Cable
- Removable or Permanent Anti-snag Cage

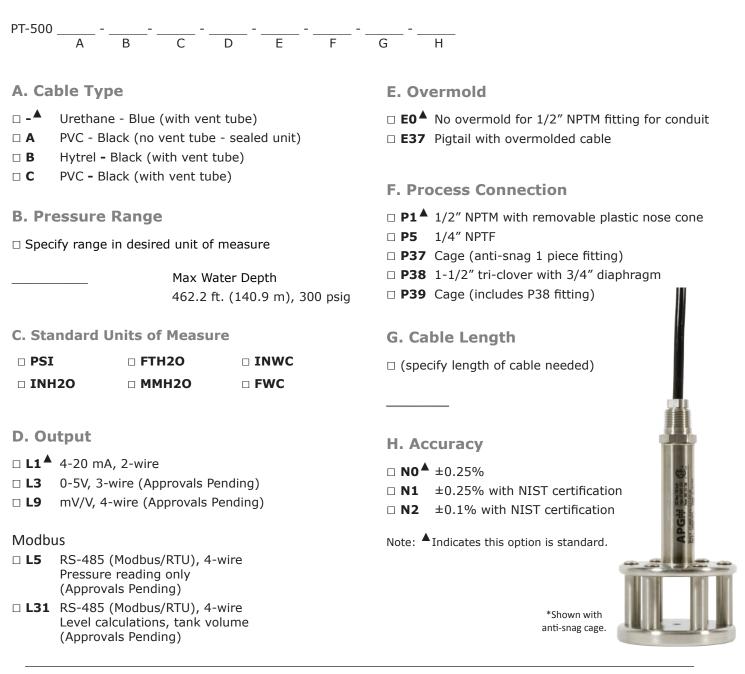
PVC

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Options



PT-500 Accessories

Please order separately, by part number.

Description	Part Number
316L SS hex coupler, 1/2" NPTF to 1/2" NPTF	511414
Desiccant drying cartridge for breathing tube	122774-0028
Breathable Hydrophobic Vent Cap	511328
Vented Wiring Tee (used for daisy chain wiring)	125742-0003
Cage Assembly	548001-8888

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PT-500 Submersible Pressure Transducer

Robust from Top to Bottom

Automation Products Group, Inc. brings you the highest quality submersible on the market.

The PT-500 is the only transducer that can be adjusted in the field, and the only one that offers a removable cage. The high quality build is simply unmatched.

Give us a call at (888) 525-7300 to learn more.

1/2" NPT Fitting

- Mount to a conduit pipe
- Hang from a steel wire
- Saves cable from wear
- Avoid interference with pumps

CSA Class 1, Div 1

• Safe for operation around flammable gas

Field Adjustable

- Adjust zero point with simple magnet
- Magnet provided with the sensor
- Don't have to send to the manufacturer for simple adjustments

Durable Transducer Face

- Can be handled freely
- Will not be damaged from simple touch
- State-of-the-art MEMs transducer



High Strength Cable

- Custom made to our spec
- High tensile strength with Kevlar[®]
- Safe transducer ventilation

Laser Welds

- Superior laser welds
- Extremely durable
- No cracks or leaks

Built-In Surge and Lightning Protection

- No surge-protector necessary
- Protection built right into the sensor
- IEC 61000-4-5 compliant

Automatic Temp. Compensation

- Embedded temperature sensor
- Automatic compensation

Patented Re-Usable Cage

- Only re-usable cage on the market
- Keeping the cage saves money on replacement sensors



*Kevlar[®] is a registered trademark of E.I. du Pont de Nemours and Company

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