

Low Cost Submersible Liquid Level Transmitter

Series: PT-510/510W



PT-510W with welded cage
Ideal for dirty liquids



PT-510 with nose cone
Ideal for clean liquids

The PT-510 and PT-510W are rugged submersible pressure transmitters designed for tank liquid level measurement, water and wastewater applications, and well depth measurement.

Features

- Simple to install
- High precision, solid state signal: 4-20 mA
- Removable nose cone for clean liquids
- Welded steel cage suitable for wastewater
- Durable transducer face



PT-510/PT-510W Specifications



Performance

- Accuracy (linearity, hysteresis, & repeatability): $\pm 0.50\%$ of span (BFSL)
- Operating Temperature: -4° - 185°F (-20° - 85°C)
- Temp Effects on Zero & Span: $\leq 0.025\%$ FS/ $^{\circ}\text{F}$ @ 70°

Connectivity

- Output:
4-20 mA

Environmental

- Maximum Depth:
Submersible up to 46 ft. (14 m)

Electrical

- Supply Voltage:
4-20 mA: 11-30 VDC
- Current Draw:
4-20 mA: 3-30 mA
- Electrical Connection:
Vented watertight cable w/free ends
Up to 200 lbs tensile strength

Physical

- Sensor Housing: 18-8 SS
- Enclosure: 18-8 SS
- Seal: Neoprene Rubber
- Cables: PVC, Polyurethane, Hytrel
- Nose Cone: PVC (PT-510 only)
- Protective Cage: 18-8 SS (PT-510W only)

PT-510 Common Model Configurations

Clean Water Configurations

Model Number	Model Description
PT-510-C-5-L01-040	4-20mA Output, 0-5 PSI , removable nose cone, 40 ft. PVC cable
PT-510-C-10-L01-040	4-20mA Output, 0-10 PSI , removable nose cone, 40 ft. PVC cable
PT-510-C-15-L01-060	4-20mA Output, 0-15 PSI , removable nose cone, 60 ft. PVC cable
PT-510-C-20-L01-060	4-20mA Output, 0-20 PSI , removable nose cone, 60 ft. PVC cable

Waste Water Configurations

Model Number	Model Description
PT-510W-C-5-L01-040	4-20mA Output, 0-5 PSI , welded cage, 40 ft. PVC cable
PT-510W-C-10-L01-040	4-20mA Output, 0-10 PSI , welded cage, 40 ft. PVC cable
PT-510W-C-15-L01-060	4-20mA Output, 0-15 PSI , welded cage, 60 ft. PVC cable
PT-510W-C-20-L01-060	4-20mA Output, 0-20 PSI , welded cage, 60 ft. PVC cable

PT-510/PT-510W Accessories

Please order separately, by part number.

Description	Part Number
Desiccant drying cartridge for breathing tube	122774-0028

Model Configuration Options



Model Number: PT-510 - - - -
 A B C D

A. Cable Type

- B** Hytrel 0.31" Ø - Black (with vent tube)
- C** ▲ PVC - Black (with vent tube)
- E** Polyurethane - Blue (with vent tube)

B. Pressure Range - PSI

- 5**
- 10**
- 15**
- 20**

C. Output

- L01** ▲ 4-20 mA, 2-wire

D. Cable Length

- XXX** (specify length of cable needed in feet)
- 040** ▲ 40 foot length standard for 5 & 10 PSI
- 060** ▲ 60 foot length standard for 15 & 20 PSI

Note: ▲ Indicates this option is standard.

Model Number: PT-510W - - - -
 A B C D

A. Cable Type

- B** Hytrel 0.31" Ø - Black (with vent tube)
- C** ▲ PVC - Black (with vent tube)
- E** Polyurethane - Blue (with vent tube)

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