

# 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):  
± 0.50% of span (BFSL)
- Operating Temperature:  
-4° - 185°F (-20° - 85°C)
- Temp Effects on Zero & Span:  
≤ 0.025% FS/°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, <b>0-5 PSI</b> , removable nose cone, <b>40 ft. PVC cable</b>
PT-510-C-10-L01-040	4-20mA Output, <b>0-10 PSI</b> , removable nose cone, <b>40 ft. PVC cable</b>
PT-510-C-15-L01-060	4-20mA Output, <b>0-15 PSI</b> , removable nose cone, <b>60 ft. PVC cable</b>
PT-510-C-20-L01-060	4-20mA Output, <b>0-20 PSI</b> , removable nose cone, <b>60 ft. PVC cable</b>

## Waste Water Configurations

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

## 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** <sup>▲</sup> PVC - Black (with vent tube)
- E** Polyurethane - Blue (with vent tube)

## B. Pressure Range - PSI

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

## C. Output

- L01** <sup>▲</sup> 4-20 mA, 2-wire

## D. Cable Length

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

Note: <sup>▲</sup>Indicates this option is standard.

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                                  A      B      C      D

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