Low Cost Submersible Liquid Level Transmitter
Series: PT-510/510W

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: -4º - 185ºF (-20º - 85ºC)
- Temp Effects on Zero & Span: ≤ 0.025% FS/ºF @ 70º

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

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Model Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-510-C-5-L01-040</td>
<td>4-20mA Output, <strong>0-5 PSI</strong>, removable nose cone, <strong>40 ft. PVC cable</strong></td>
</tr>
<tr>
<td>PT-510-C-10-L01-040</td>
<td>4-20mA Output, <strong>0-10 PSI</strong>, removable nose cone, <strong>40 ft. PVC cable</strong></td>
</tr>
<tr>
<td>PT-510-C-15-L01-060</td>
<td>4-20mA Output, <strong>0-15 PSI</strong>, removable nose cone, <strong>60 ft. PVC cable</strong></td>
</tr>
<tr>
<td>PT-510-C-20-L01-060</td>
<td>4-20mA Output, <strong>0-20 PSI</strong>, removable nose cone, <strong>60 ft. PVC cable</strong></td>
</tr>
</tbody>
</table>

## Waste Water Configurations

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Model Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-510W-C-5-L01-040</td>
<td>4-20mA Output, <strong>0-5 PSI</strong>, welded cage, <strong>40 ft. PVC cable</strong></td>
</tr>
<tr>
<td>PT-510W-C-10-L01-040</td>
<td>4-20mA Output, <strong>0-10 PSI</strong>, welded cage, <strong>40 ft. PVC cable</strong></td>
</tr>
<tr>
<td>PT-510W-C-15-L01-060</td>
<td>4-20mA Output, <strong>0-15 PSI</strong>, welded cage, <strong>60 ft. PVC cable</strong></td>
</tr>
<tr>
<td>PT-510W-C-20-L01-060</td>
<td>4-20mA Output, <strong>0-20 PSI</strong>, welded cage, <strong>60 ft. PVC cable</strong></td>
</tr>
</tbody>
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## PT-510/PT-510W Accessories

Please order separately, by part number.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desiccant drying cartridge for breathing tube</td>
<td>122774-0028</td>
</tr>
</tbody>
</table>

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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)

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.