The general purpose LD35 pump wastewater pressure level transmitter provides continuous level measurement up to 46’ (14m) of water column with a 4-20 mA signal output. Select the LD35 liquid level sensor for dirty, coating or slurry type liquids. Application examples include wastewater, polymer and ink storage.

**Features**

- Clog resistant, non-stick PTFE coated fluroelastomer diaphragm for use in wastewater
- Strong cable design with maintenance free breather tube and vent filter
- Corrosion resistant 316 SS body with optional polyurethane or ETFE cable
- Temperature compensation, lightning and surge protection for reliable measurement

**Key Benefits**

- Ideal for use with coating type liquids
- Simple installation via suspended cable
- Connects directly to PLC, SCADA or display
- Fixed span does not require any calibration

**Compatible Products**

**DataLoop™ Level Indicator**
- LI25

**DataView™ Level Controller**
- LI55

**Commander™ Multi-Tank Level Controller**
- LI90

**DataPoint™ Level Controller**
- LC52

**Accessories**

Submersible Pressure Sensor Mounting Kit w/ Junction Box

- LD90-1001 Term-Strip, 2” NPT Plug, PP
- LD90-1061 Term-Strip, 1-1/2” G Plug, PP
- LD90-5001 Term-Strip, 2” NPT Plug, PVDF
- LD90-5061 Term-Strip, 1-1/2” G Plug, PVDF

AC-DC Sensor & Indicator Power Supply
- LC95-2001 100-240 VAC, 24 VDC @ 0.60A, 35mm Rail
Specifications

- SX01: 0 to 5 psi (0.34 bar),
  0 to 11.55' (0 to 3.5m) wc
- SX11: 0 to 6.5 psi
  (0.45 bar),
  0 to 15' (0 to 4.6m) wc
- SX21: 0 to 8.6 psi
  (0.60 bar),
  0 to 20' (0 to 6.1m) wc
- SX31: 0 to 13 psi
  (0.90 bar),
  0 to 30' (0 to 9.1m) wc
Service: Compatible liquids
Accuracy: ±0.25% of full scale
Configuration: None, fixed span
Supply voltage: 10 to 33 VDC
Loop resist.: 1000 Ohms @ 30 VDC
Signal output: 4-20 mA, two-wire
Process temp.: F: -4° to 176°
  C: -20° to 80°
Temp. comp.: F: 32° to 140°
  C: 0° to 60°
Thermal effect: ±0.0075%/°F (±0.135%/°C)
Proof pressure: 2 x full scale
Response time: 50ms
Sensor weight: 0.3 lb (0.136 kg)
Cable weight: 0.037lb (0.0009 kg) per foot
Sensor Material: 316 SS & PTFE
Seal material: Fluoroelastomer
Cable type: 2-conductor, shielded with vent tube
Cable length: -SX01 & SX11: 40' (12.2m)
  -SX21 & SX31: 60' (18.3m)
Cable material: -S1X1: Polyurethane
  -S2X1: ETFE
Classification: General purpose
Compliance: CE

Dimensions

For optimum performance, install the level sensor using the below recommended or direct equivalent fittings. For use with LD90.

Fittings

<table>
<thead>
<tr>
<th>P/N</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LM52-2400</td>
<td>3&quot; NPT x 2&quot; NPT (Sch. 40)</td>
</tr>
<tr>
<td>LM52-2800</td>
<td>3&quot; NPT x 2&quot; NPT (Sch. 80)</td>
</tr>
<tr>
<td>LM52-3800</td>
<td>4&quot; NPT x 2&quot; NPT (Sch. 80)</td>
</tr>
<tr>
<td>LM52-2410</td>
<td>3&quot; Socket x 2&quot; NPT (Sch. 40)</td>
</tr>
<tr>
<td>LM52-3410</td>
<td>4&quot; Socket x 2&quot; NPT (Sch. 40)</td>
</tr>
<tr>
<td>LM52-2810</td>
<td>3&quot; Socket x 2&quot; NPT (Sch. 80)</td>
</tr>
<tr>
<td>LM52-3810</td>
<td>4&quot; Socket x 2&quot; NPT (Sch. 80)</td>
</tr>
<tr>
<td>LM52-2890</td>
<td>2&quot; NPT Bulkhead Fitting, PVC</td>
</tr>
<tr>
<td>LM52-2850</td>
<td>2&quot; NPT Flange - 150# (Sch. 80)</td>
</tr>
<tr>
<td>LM50-1001</td>
<td>2&quot; NPT Bracket, Polypropylene</td>
</tr>
<tr>
<td>LD90-3000</td>
<td>Desiccant Filter</td>
</tr>
</tbody>
</table>

Ordering

LD35-S [ ] [ ] [ ] 1

Notes

1) To install the level sensor through the tank top with a compact junction box, 2" mounting plug and cable connector, order the submersible pressure sensor mounting kit.