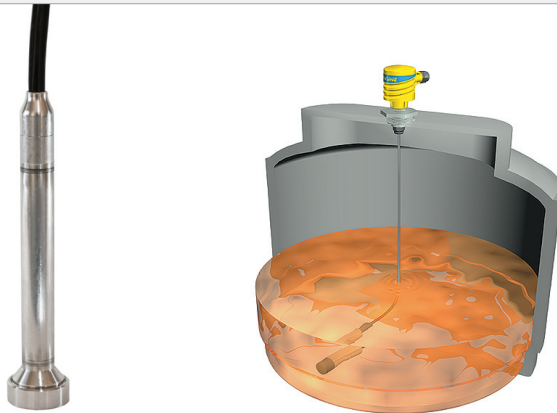


**Application**



**LD35**

The general purpose LD35 small-bore wastewater pressure level transmitter provides continuous level measurement up to 30' (9.1m) of water column with a 4-20 mA signal output. Select the LD35 liquid level sensor for dirty, foaming or slurry type liquids. Application examples include sewage lift stations, industrial slurries, industrial sumps, landfill leachate, reservoirs, sludge pits, and oil tanks.



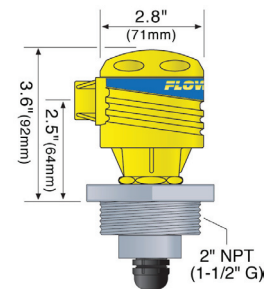
**Features**

- ✓ Corrosion resistant 316 SS transducer with polyurethane or ETFE cable
- ✓ Strong cable design with maintenance free breather tube and vent filter
- ✓ Incorporates lighting and surge protection.
- ✓ Robust PTFE coated FKM fluoroelastomer diaphragm provides a non-stick surface for aggressive fluids

**Key Benefits**

- ✓ Clog-free diaphragm for use in harsh applications
- ✓ Connects directly to PLC/SCADA or display
- ✓ Narrow body design perfect for stilling wells and other narrow installations
- ✓ Maintenance-free vent filter prevents water droplets and other particulates from fouling transmitter

**Accessories**



**Submersible Pressure Sensor Mounting Kit w/ Junction Box**

- LD90-1001 Term-Strip, 2" NPT Plug, PP
- LD90-1061 Term-Strip, 2" G Plug, PP
- LD90-5001 Term-Strip, 2" NPT Plug, PVDF
- LD90-5061 Term-Strip, 2" G Plug, PVDF

**AC-DC Sensor & Indicator Power Supply**



- LC95-1001 100-240 VAC, 24 VDC @ 0.60A, 35mm Rail

**Compatible Products**

**DataLoop™**  
Level Indicator



**LI25**

**DataView™**  
Level Controller



**LI55**

**Commander™**  
Multi-Tank Level Controller



**LI90**

**DataPoint™**  
Level Controller

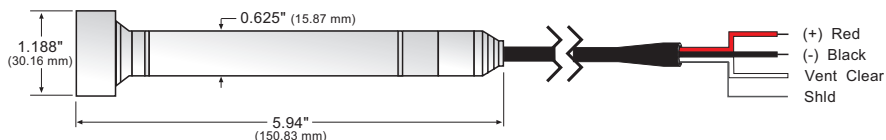


**LC52**

### Specifications

**Range:** -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  
**Body weight:** 0.3 lb (0.136 kg)  
**Cable weight:** 0.037lb (0.0009 kg) per foot  
**Body and Nose:** 316 SS  
**Diaphragm:** PTFE coated FKM  
 fluoroelastomer  
**Seals:** Fluoroelastomer  
**Trans. thread:** 1/2" NPT  
**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



### Fittings

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

	P/N	Description
	LM52-2400	3" NPT x 2" NPT (Sch. 40)
	LM52-2800	3" NPT x 2" NPT (Sch. 80)
	LM52-3800	4" NPT x 2" NPT (Sch. 80)
	LM52-2410	3" Socket x 2" NPT (Sch. 40)
	LM52-3410	4" Socket x 2" NPT (Sch. 40)
	LM52-2810	3" Socket x 2" NPT (Sch. 80)
	LM52-3810	4" Socket x 2" NPT (Sch. 80)
	LM52-2890	2" NPT Bulkhead Fitting, PVC
	LM52-2850	2" NPT Flange - 150# (Sch. 80)
	LM50-1001	2" NPT Bracket, Polypropylene
	LD90-3000	Desiccant Filter

### Ordering

LD35-S   1

**Cable jacket (1)**

- 1 Polyurethane
- 2 ETFE

**Sensor range**

- 0 5 psi (0.34 bar) / 11.55' (3.5m) wc
- 1 6.5 psi (0.45 bar) / 15' (4.6m) wc
- 2 8.6 psi (0.60 bar) / 20' (6.1m) wc
- 3 13 psi (0.90 bar) / 30' (9.1m) wc

### 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.