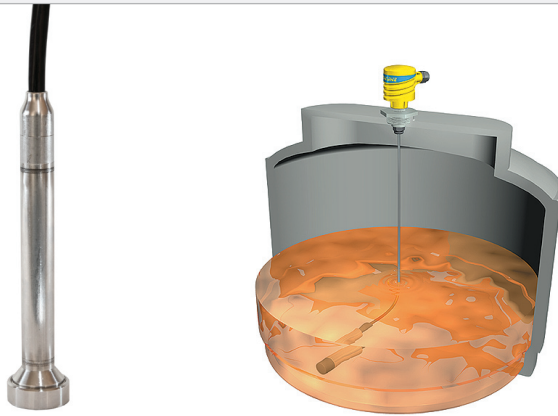


DeltaSpan™ LD35 Small-Bore Pressure Level Transmitter



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.



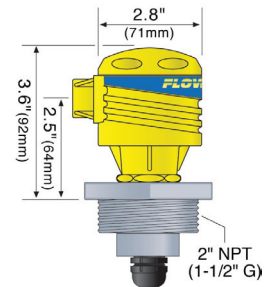
Features

- ✓ 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



DeltaSpan™ LD35 Small-Bore Pressure Level Transmitter

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

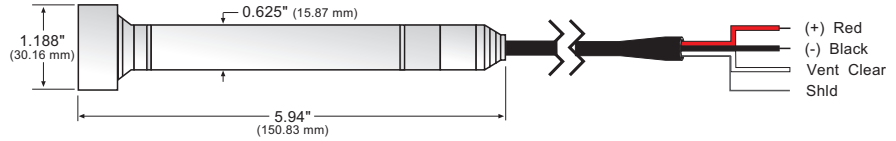
Cable length: -SX01 & SX11: 40' (12.2m)
 -SX21 & SX31: 60' (18.3m)

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.