DeltaSpan[™] **LD32** Submersible Pressure Level Transmitter



Application



The general purpose LD32 submersible pressure level transmitter provides continuous level measurement up to 46' (14m) of water column with a 4-20 mA signal output. The LD32 liquid level sensor for dirty, foaming or slurry type liquids. Application examples include municipal sewer or storm pump lift stations.

Œ

Features

- Corrosion resistant 316 SS transducer with polyure-thane or ETFE cable
- Strong cable design with maintenance free breather tube and vent filter
- Automatic temperature compensation for accurate measurement
- Rugged clog and damage resistant diaphragm design

Key Benefits

- Ideal for applications with heavy foam and vapors
- Connects directly to PLC/SCADA or display
- Great for higher temperatures and installation with small access
- Great for concrete sumps with limited access

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



DataView™ Level Controller



Commander™ Multi-Tank Level Controller



DataPoint™ Level Controller





Specifications

Range: -SX01: 0 to 5 psi (0.34 bar),

0 to 11' (0 to 3.4m) wc -SX11: 0 to 10 psi

(0.69 bar),

0 to 23' (0 to 7m) wc -SX21: 0 to 15 psi

(1.0 bar),

0 to 34' (0 to 10.4m) wc

-SX31: 0 to 20 psi

(1.38 bar),

0 to 46' (0 to 14m) wc

Accuracy: ± 0.25% of full scale
Configuration: None, fixed span
Supply voltage: 13 to 30 VDC

Loop resist.: 850 Ohms @ 30 VDC

Signal output: 4-20 mA, two-wire

Process temp.: F: 0° to 200°

C: -18° to 93°

Temp. comp.: F: 0 to 180°

C: -18 to 82°

Proof pressure: 2 x full scale

Response Time: 50ms

Weight: 4.3 lb (2.0 kg)
Trans. material: 316 SS, 316L SS,

Buna-N

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)

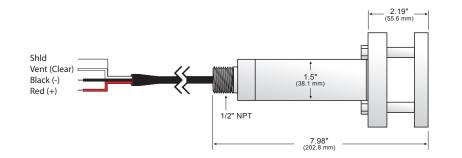
Cable material: -S1X1: Polyurethane

-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

Ordering

LD32-5 1

Cable jacket (1)

- 1 Polyurethane
- 2 ETFE

Sensor range

- 0 5 psi (0.34 bar) / 11' (3.4m) wc
- 1 10 psi (0.69 bar) / 23' (7m) wc
- 2 15 psi (1.0 bar) / 34' (10.4m) wc
- 3 20 psi (1.38 bar) / 46' (14m) wc

Notes

 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.