

DeltaSpan Submersible Pressure Transmitter

APPLICATION

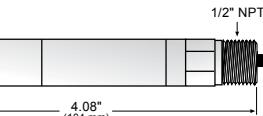
The general purpose two-wire pressure transmitter is offered in two configurations for different liquid types and provides contact level measurement up to 46' or 14m of water column. Select the LD31 for clean or relatively clean water, light weight oils and diluted chemical media. Application examples include ground water, ponds and wells. Select the LD32 for dirty, sludge or slurry media. Application examples include sewer or storm pump lift stations, storage and treatment with surface foam or debris where ultrasonic cannot be applied.

FEATURES

- Corrosion resistant 316 SS transducer with polyurethane or ETFE cable jacket
- 270 pound tensile strength cable, maintenance free breather tube and vent filter
- Rugged LD32 model features large clog and damage resistant diaphragm design



LD31 Shown



DeltaSpan

Liquid type(1)

- 1 Water & light oil
- 2 Wastewater & slurry

Cable jacket

- 1 Polyurethane
- 2 ETFE

Sensor range

- 0 0 to 5 psi (0 to 0.34 bar)
- 1 0 to 10 psi (0 to .69 bar)
- 2 0 to 15 psi (0 to 1.0 bar)
- 3 0 to 20 psi (0 to 1.38 bar)

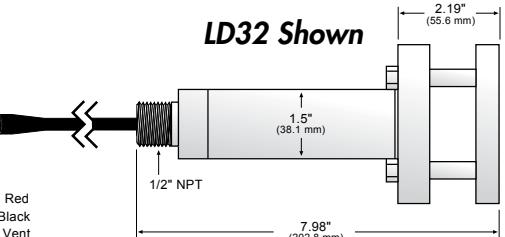


LD31-S001
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SPECIFICATIONS

| | |
|---------------------------|---|
| Range: | -S_01: 0 to 5 psi (0.34 bar) 0 to 11' (0 to 3.4m) wc |
| | -S_11: 0 to 10 psi (0.69 bar) 0 to 23' (0 to 7m) wc |
| | -S_21: 0 to 15 psi (1.0 bar) 0 to 34' (0 to 10.4m) wc |
| | -S_31: 0 to 20 psi (1.38 bar) 0 to 46' (0 to 14m) wc |
| Accuracy: | ± 0.25% of full span |
| Supply voltage: | 13-30 VDC |
| Max. loop resist.: | 900 Ohms @ 30 VDC |
| Signal output: | 4-20 mA, two-wire |
| Calibration: | None, fixed span |
| Process temp.: | F: 0° to 200° C: -18° to 93° |
| Temp. comp.: | Automatic |
| Proof pressure: | 2 x full span |
| Burst pressure: | > 35 x full span |
| Process mount.: | 1/2" NPT |
| Enclosure rating: | NEMA 6 (IP67) |
| Probe material: | LD31: 316 SS, 316L SS & Buna-N w/PVC nose LD32: 316 SS, 316L SS & Buna-N |
| Cable material: | S1_1: Polyurethane S2_1: ETFE |
| Cable type: | 2-conductor, shielded w/vent tube |
| Classification: | General purpose |

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LD3 -S 1

Ordering Notes

- 1) For integral conduit termination and process mount, order the LD90-1001 (2" NPT) or LD90-1061 (1 1/2" G) installation kit. Each kit includes a PP junction box rated NEMA 4X, PP plug fitting and nylon cable connector.



LD90-1001
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