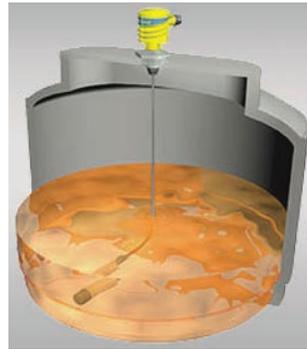


Application



LD32



The intrinsically safe submersible pressure level transmitter is offered in two styles for different liquid types and provides continuous level measurement up to 46' (14m) of water column with a 4-20 mA signal output. Select the LD32 liquid level sensor for dirty, foaming or slurry type liquids. Application examples include municipal sewer or storm pump lift stations.



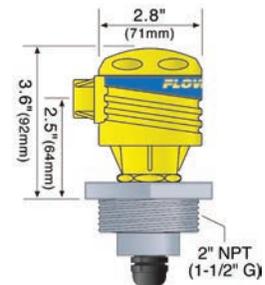
Features

- ✓ Rugged clog resistant diaphragm with heavy duty protection shield
- ✓ Strong cable design with maintenance free breather tube and vent filter
- ✓ Corrosion resistant 316 SS body and shield with polyurethane or ETFE cable
- ✓ Temperature compensation, lightning and surge protection for reliable measurement

Key Benefits

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

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
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Compatible Products

DataLoop™ IS Level Indicator



LI25-2001

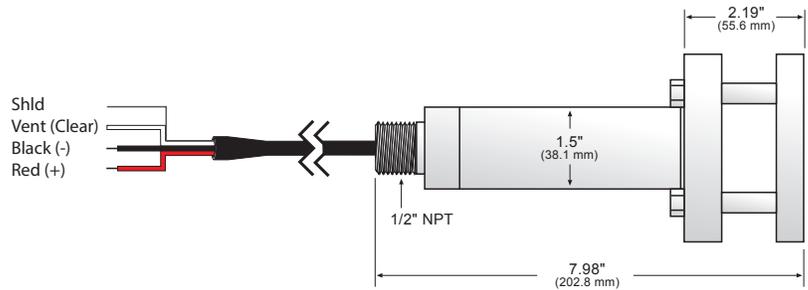
Application

Offered in FM and CSA approved intrinsically safe classification, the loop powered level indicator displays engineering units connected in series with one 4-20 mA continuous level transmitter. Select the LI25-2001 level indicator for hazardous applications with an intrinsically safe sensor. For field mount installation, add a single or dual indicator NEMA box.

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: 10 to 28 VDC
Loop resist.: 900 Ohms
Signal output: 4-20 mA, two-wire
Process temp.: F: 0° to 176°
 C: -18° to 80°
Temp. comp.: F: 0 to 176°
 C: -18 to 80°
Proof pressure: 2 x full scale
Response time: 50ms
Weight: 4.3 lb (2.0 kg)
Sensor material: 316 SS, 316L SS,
 Buna-N
Sensor 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: -S3X1: Polyurethane (IS)
 -S4X1: ETFE (IS)
Classification: Intrinsically safe
 Class I Div. 1 Groups A, B,
 C & D; Class II Div. 1
 Groups E, F & G;
 Class III Div. 1
 T4 @ 80 °C ambient
Compliance: CE, UL Intrinsically safe
 to UL standard 913
 IEC 61000-4-2:2001
 IEC 61000-4-3:2006
 IEC 61000-4-4:2004
 IEC 61000-4-5:2005
 IEC 61000-4-6:2006
 IEC 61000-4-8:2001
 CENELEC EN 55011:2003
 CENELEC EN 61326:2003
 89/336/EEC EMC Directive
Parameters: Vmax = 28 VDC
 Imax = 93 mA
 Ci = 0.051_F
 Li = 240_uH
 Pi = 0.651_W

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
	LD90-S000	Cable Hanger

Ordering

LD32-5 1

- Cable jacket (1) (2)**
- 3 Polyurethane
 - 4 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

- 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.
- 2) Add the LB11-1001 intrinsic safety barrier to complete your intrinsically safe level measurement package.