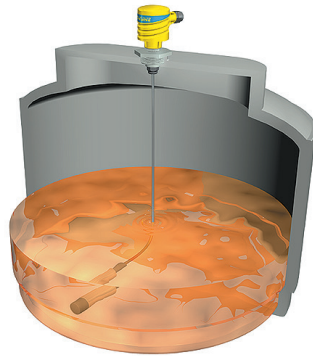


Application



LD34



The general purpose LD34 small-bore submersible pressure level transmitter provides continuous level measurement up to 100' (30.4m) of water column with a 4-20 mA signal output. Select the LD34 liquid level sensor for down hole monitoring of relatively clean water. Application examples include ground water, surface water, dewatering, ballast tanks and remediation.



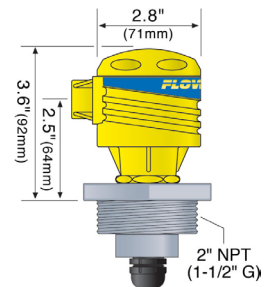
Features

- ✓ Strong cable design with maintenance free breather tube and vent filter
- ✓ Narrow tapered body designed for easy down hole installation and removal
- ✓ Corrosion resistant 316 SS body with fluoroelastomer seal and polyurethane cable
- ✓ Temperature compensation, lightning and surge protection for reliable measurement

Key Benefits

- ✓ Ideal for applications with foam and vapor
- ✓ 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 |
|-----------|--|

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
- SX41: 0 to 21.6 psi
(1.49 bar),
0 to 50' (0 to 15.2m) wc
- SX51: 0 to 43.3 psi
(2.99 bar),
0 to 100' (0 to 30.5m) wc

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: 0° to 158°
- C: -18° to 70°

Thermal effect: ±0.45% FS TEB

Proof pressure: 2 x full scale

Response time: <50ms

Sensor weight: 0.235 lb (0.107 kg)

Cable weight: 0.037lb (0.0009 kg) per foot

Sensor material: 316 SS

Seal material: Fluoroelastomer

Cable type: 2-conductor, shielded with vent tube

Cable length:

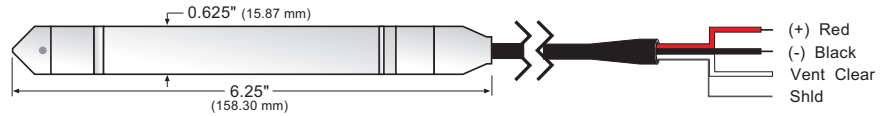
- S101 & S111: 40' (12.2m)
- S121 & S131: 60' (18.3m)

Cable material: Polyurethane

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

LD34-51 1

Sensor range (1)

- 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
- 4 21.6 psi (1.49 bar) / 50' (15.2m) wc
- 5 43.3 psi (2.99 bar) / 100' (30.5m) 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.