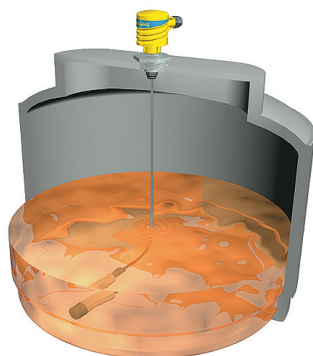


Application



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 relatively clean water. Application examples include ballast tanks, ground water monitoring, surface water monitoring, dewatering, down hole, and remediation.



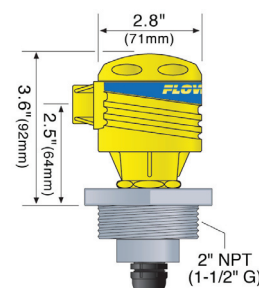
Features

- ✓ Welded 316 SS body and 316 SS nose cap provide years of trouble free service
- ✓ Tapered body top prevents damage or snaring when removing from installation
- ✓ Incorporates lighting and surge protection.
- ✓ Provides precise output readings with its $\pm 0.25\%$ of full scale accuracy

Key Benefits

- ✓ Ideal for applications with heavy foam and vapors
- ✓ Connects directly to PLC/SCADA or display
- ✓ Comes with a polyurethane cable and is vented for barometric pressure compensation
- ✓ 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
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Compatible Products

DataLoop™ Level Indicator



DataView™ Level Controller



Commander™ Multi-Tank Level Controller



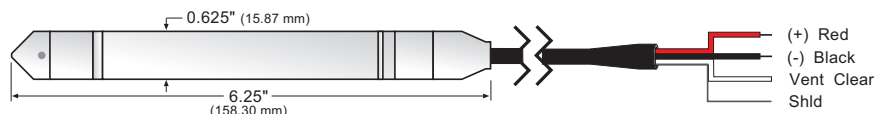
DataPoint™ Level Controller



Specifications

Range:	-SX01: 0 to 5 psi (0.34 bar), 0 to 11.55' (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
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: 0° to 158° C: -18° to 70°
Thermal effect:	±0.45% FS TEB
Proof pressure:	2 x full scale
Response time:	<50ms
Body weight:	0.235 lb (0.107 kg)
Cable weight:	0.037lb (0.0009 kg) per foot
Body and Nose:	316 SS
Seals:	Fluoroelastomer
Trans. thread:	1/2" NPT
Cable type:	2-conductor, shielded with vent tube
Cable length:	-S101 & S111: 40' (12.2m) -S121 & S131: 60' (18.3m)
Cable material:	Polyurethane

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-S1 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

- 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.