

LS1000 Submersible Level Sensor Pressure Transducer / Transmitter

APPLICATIONS

- Sewage Lift Stations
- Sludge Pumps
- Process Sumps
- Water Tanks and Reservoirs

FEATURES

- All Welded, Stainless Steel Construction
- Rugged, All Encapsulated Electronics
- Anti-Clog, Stand-Off
- 2.5 Inch Diaphragm
- Leakproof
- FM Approved
- Intrinsically Safe

DESCRIPTION

The LS1000 Level Sensor is a pressure transducer based level sensor designed for the rugged application of monitoring liquid level in areas where sludge and solids often clog conventional sensors. The Stainless Steel Stand-Off provides protection from solids while providing accurate measurement using a three inch diaphragm. An optional top mounting flange is available to add weight. The flange also provides a means of attaching lift cables.

SPECIFICATIONS

Output:	4/20 mADC
Excitation:	9/36 VDC
Accuracy	0.5% FS
Wetted materials:	Type 316 Stainless Steel
Temperature Limits:	-40/+150° F
Load Impedance:	750 Ohms Maximum at 24 VDC
Zero Balance:	4.0 mADC ±1% at 70° F
Insulation Resistance:	Greater Than 10 Megohms at 50 VDC at 70° F
Proof Pressure:	2 Times Full Scale
Burst Pressure:	5 Times Full Scale
Pressure Connection:	Oil Filled Diaphragm
Cable:	Molded Polyurethane Jacket with Breather Tube and Permanent Desiccant Filter (40 ft. Cable Supplied as Standard)
Surge Protection:	Internal

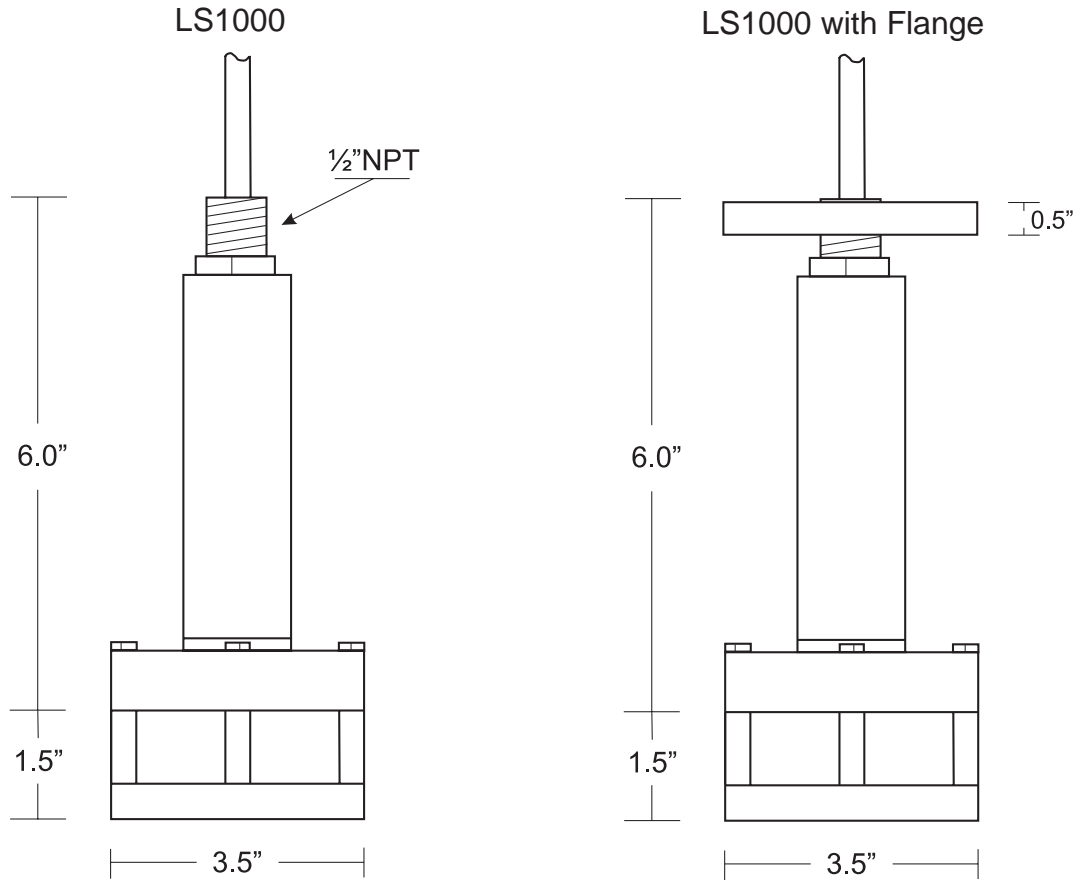
RANGES

0/5 PSI	=	0/11.54 Ft. WC
0/10 PSI	=	0/23.07 Ft. WC
0/15 PSI	=	0/34.60 Ft. WC
0/20 PSI	=	0/46.15 Ft. WC
0/25 PSI	=	0/57.68 Ft. WC
0/30 PSI	=	0/69.21 Ft. WC

OPTIONS

- Cable Length: Standard is 40'. For longer length specify length desired. (500 Ft. Maximum)
- Cable Lift Attachment Flange: Facilitates lift cable attachment while adding ballast weight to assembly.

DIMENSIONS



WIRING CODE

Red: + Excitation / Signal
 Black: - Excitation / Signal

ORDERING CODE

Model	Range	Cable Length	Options
LS1000	(FT or PSI)	(In Feet)	(Code)

Example:
 LS1000 - 0/34.6 Ft - 40Ft - FL

LS1000 with a range of 0/34.6 Ft. (0-15 PSI), 40 ft. of cable, and the cable lift attachment flange option.

