



# LS1000

## SUBMERSIBLE LEVEL SENSOR PRESSURE TRANSDUCER / TRANSMITTER

### FEATURES

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

### 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.

An optional Cable Lift Attachment Flange facilitates lift cable attachment while adding ballast weight to the LS1000.

### SPECIFICATIONS

#### OUTPUT

4/20 mADC

#### PROOF PRESSURE

2 Times Full Scale

#### EXCITATION

9/36 VDC

#### BURST PRESSURE

5 Times Full Scale

#### ACCURACY

0.5% FS

#### PRESSURE CONNECTION

Oil Filled Diaphragm

#### WETTED MATERIALS:

Type 316 Stainless Steel

#### CABLE

Molded Polyurethane Jacket  
with Breather Tube  
and Permanent Desiccant Filter  
(40 ft. Cable Supplied as Standard)

#### TEMPERATURE LIMITS

-40/+150° F

#### SURGE PROTECTION

Internal

#### LOAD IMPEDANCE

750 Ohms Maximum at 24 VDC

#### ZERO BALANCE

4.0 mADC  $\pm 1\%$  at 70° F

#### INSULATION RESISTANCE

Greater Than 10 Megohms  
at 50 VDC at 70° F

**ORDERING INFORMATION**

**INPUT RANGE**

- 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

**CABLE LENGTH**

- 40 Ft. (Standard Length)
- Other (500 Ft. Maximum)

Ft.

**OPTIONS**

- Cable Lift Attachment Flange

**TAGS**

**Specify Tag Numbers**

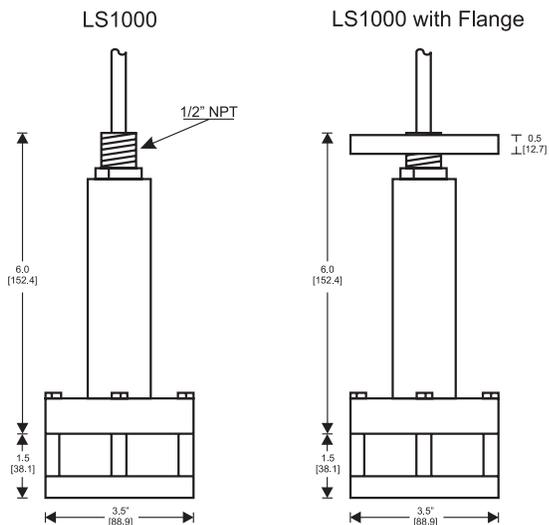
Tag number is typed on product label at no charge.

**Enter Tag Number(s)**

**ACCESSORIES**

**DIMENSIONS**

Inches [mm]



**CONNECTIONS**

WIRE	CONNECTION
Red	+Excitation / Signal
Black	- Excitation / Signal



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