

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

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.

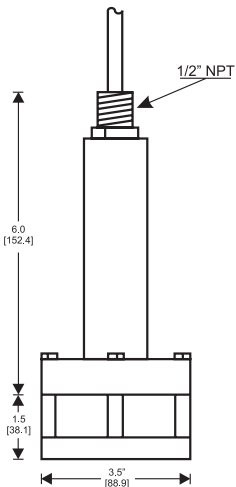
Enter Tag Number(s)

ACCESSORIES

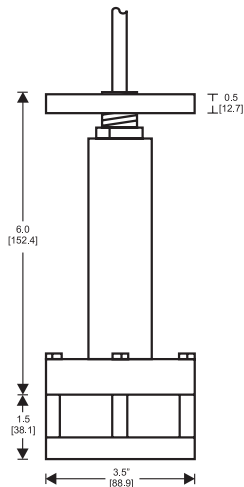
DIMENSIONS

Inches [mm]

LS1000



LS1000 with Flange



CONNECTIONS

WIRE

- Red
- Black

CONNECTION

- +Excitation / Signal
- Excitation / Signal