
SUBMERSIBLE LEVEL TRANSDUCER



MODEL SLX 305

FEATURES

- Stainless Steel body (316L, 304)
- Choice of outputs:
 - ◆ Loop powered 4-20 mA DC
 - ◆ 1-5 VDC Out w/10-28 VDC excitation
- Choice of ranges up to 100 PSI

APPLICATIONS

- Ground Water Level
- Bio-Fuels
- Salt Water Holding Tanks
- Gasoline & Diesel Fuel Tanks
- Fertilizer Tanks
- Earthen & Concrete Dams
- Irrigation Equipment
- Ballast Tanks
- Oil Tanks
- Waste Water Canals
- Chemical Tanks (Suspended or Side Mtd)
- Water storage & recycling systems
- Tank Level via Valve Pit Mounting
- Valve Process Sumps
- Flow sensing in flumes and weirs

Contegra's SLX 305 is a low cost, high quality all stainless steel, media isolated pressure sensor. It is an excellent choice for level measurement applications such as ground storage tanks, chemical tanks, and well draw down.

Removing the pressure transducer's weighted torpedo-like nose reveals the submersible sensor's industry-standard 1/4 NPT pressure fitting. Thus, the sensor is ideally suited for tank sensing when the sensor is mounted in an underground valve pit.

The SLX 305 is intended for use in the measurement of gases and liquids that are compatible with stainless steel construction. The SLX 305's construction contains no silicone oil, no welds and no internal "O" rings.

Sensing ranges are available in pressure ranges up to 100 PSI with outputs of 4-20mA or 1-5 VDC.

The transducer provides an output signal directly proportional to the sensed level over the calibrated range of the sensing element.

MODEL SLX 305

Specifications

Pressure Ranges (PSI): 5, 7.5, 10, 15, 20, 30, 50, 100 Specify the desired pressure range in the model number.

Accuracy: 0.25% over the full-scale pressure range including nonlinearity, hysteresis, and repeatability.

Over Range: 2X Rated Pressure

Burst Pressure: 5X Rated Pressure

Temperature:

Operating: -40 to 80°C (-40 to 176°F)
non-freezing

Storage: -40 to 100°C (-40 to 212°F)

Wetted parts: 316L / 304 / Hytrel Cable / Kynar Cord Grip

Input/Output:

E Versions: 10-28 VDC excitation, 1-5 VDC Output, 10K Ohms minimum load, 5 mADC load

M Versions: Loop powered 10-28 VDC, 4-20 mA output, 0-800 ohm load w/Lead reversal protection.

Mechanical: Height - 8", Diameter - 0.88"
Cable Diameter - 0.26"

Cable Lengths: The SLX 305 is only available with the following cable lengths: 20, 25, 35, 40, 50, 100, 150 Feet.

Refer to www.Contegra.com for further specifications and updates including: range availability.

Ordering Information (SEE EXAMPLE BELOW**)

Model	Output Version	Pressure Sensor	Feet of cable	Options:
SLX 305	E = 1-5 VDC M = 4-20 mADC	XXXX Ranges: 5, 7.5, 10 15, 20, 30 50, 100	XX 20 ft. included/min. 5 ft. increments Only available with the following cable lengths: 20, 25, 35, 40, 50, 100, 150 Feet.	ENCLOSURE A = Nema 4X Junction box B = Breather system OTHER (requires enclosure) T = Transient protector M = Meter (digital)

Consult your Contegra representative, the factory, or www.Contegra.com for additional options

**** A typical model number is SLX 305-M-20-50-B**

This includes a submersible level transducer with a 20 PSI sensor, 4-20 mA output and 50 feet of cable.

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