
SUBMERSIBLE

LEVEL TRANSDUCER



MODEL SLX 300

FEATURES

- 4-20 mA Loop Powered
- Choice of ranges:
2 through 900 PSI
- Titanium construction
- 0.7" Diameter

APPLICATIONS

- Water Supply Wells
- Open Channel Flow
- Groundwater
- Canals
- Leachate Wells
- Irrigation Systems

CONTEGRA's SLX 300 submersible level transducers are designed specifically for level measurement of groundwater, well water, canals, rivers and other liquids based upon the hydrostatic pressure of the liquid above the submerged sensor's diaphragm. The transducer provides a 4-20 mADC output signal directly proportional to the sensed level over the calibrated range of the sensing element.

The sensor body and diaphragm are constructed of Titanium with a protective nose cone of EPDM.

The sensor body is less than 0.7" in diameter, allowing for installation in numerous applications where the smaller size is required.

All SLX 300 Submersible Level Transducers are UL Listed.

MODEL SLX 300

Specifications

Operating Pressure Ranges (PSI):

1, 2.5, 5, 10, 15, 20, 30, 50, 75, 100, 150,
300, 500, 900
Range in feet = PSI * 2.31

Input/Output:

Loop powered 4-20 mA output, 9-32 VDC
Class 2 supply.

Accuracy: 0.25%

Including the effects of nonlinearity,
hysteresis, and repeatability.
Full scale, best straight line.
(improved accuracy available)

Approvals: UL Listed 508, CE

UL 913 approval pending (when applied
with an approved barrier).

Operating Temperature Range:

-5° to + 140° F non-freezing.

Media Compatibility:

Fluids compatible with Titanium,
Polyurethane (cable) and EPDM (nose
cone)

Sensor body and diaphragm:

Titanium

Signal Cable: Polyurethane jacket, shielded,

Kevlar® support member, and breather tube.

Sealed breather system for units greater
than 5 PSI.

Relative Humidity: 0 - 100%

Compensated Temperature Range:

30° to 86°F Ambient

Temperature Effects:

±1.5% FS TEB for ranges 5 PSI and above
±2.0% FS for ranges below 5 PSI

Insulation Resistance: greater than 100M
ohm at 50 VDC

Overpressure:

1 PSI	10x
2.5 PSI	6X
5 PSI and above	4X
2000 PSI max.	

Engineering Specifications

A submersible level transmitter shall be provided to sense the liquid level of the _____ at the location as shown on the plan drawings and in accordance with the manufacturer's recommendations.

The transducer shall be a 4-20 mADC, 2 wire, 9-32 VDC loop-powered type, with its output signal directly proportional to the measured level excursion.

The transducer housing shall be fabricated of Titanium. The sensor shall be mounted using its signal cable. The signal cable shall be constructed of polyurethane. The internal air of the sensor assembly shall be relieved to atmosphere through a sealed breather system.

The transducer shall be UL listed. The transducer shall be a CONTEGRA Model SLX 300.

Ordering Information (SEE EXAMPLE BELOW**)

Model	Output Version	Pressure Sensor	Feet of cable	Options
SLX 300	M = 4-20 mADC	XXX refer to above listing	XXX 20 ft. min. 10 ft. increments	ENCLOSURE A = Nema 4X Junction box B = Breather system only
Accessories are available (e.g. cable suspension clamp, sink weight)				
Consult your Contegra representative or the factory for additional options				

** A typical model number is SLX 300-M-30-120-B

This includes a submersible level transducer with a 4-20 mADC output, a 30 PSI sensor, 120 feet of cable, and sealed breather system.

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