
SUBMERSIBLE

LEVEL TRANSDUCER



MODEL SLX 70

FEATURES

- High Chemical resistance
PVC construction
- Loop powered 4-20 mADC
- Choice of ranges:
5, 6.5, 10, 15, 30 PSI
- 1.25" Viton diaphragm

APPLICATIONS

- Chemical tanks
- Water storage & recycling systems
- Process Sumps
- Flow sensing in flumes and weirs

CONTEGRA's SLX 70 submersible level transducers reliably measures the level of chemicals, water, and wastewater based upon the hydrostatic pressure of the liquid above the submerged sensor's diaphragm. The transducer provides an output signal that is directly proportional to the sensed level over the calibrated range of the sensing element.

These sensors provide superior service in adverse environments. Their wetted parts of PVC, Viton, nylon and the TPE signal cable provide strong chemical resistance and electrical isolation.

MODEL SLX 70

Specifications

Pressure Ranges (PSI):

- 5 (0 - 11.5 ft.)
- 6.5 (0 - 15.0 ft.)
- 10 (0 - 23.1 ft.)
- 15 (0 - 34.6 ft.)
- 30 (0 - 69.3 ft.)

Consult factory for other ranges.
Range availability based on Output Version and Sensor Options.

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

Overpressure: 4X @ 5 PSI, all others 3X

Compensated Temperature:

+32° to + 180° F (0° to +82°C) non-freezing.

Wetted parts: PVC body, Viton diaphragm, TPE signal cable with Nylon and Viton strain relief.

The 1.25" diameter diaphragm has a silicone oil fill. The internal air pressure is relieved to atmospheric pressure through a breather tube in the signal cable.

Signal Cable: TPE® jacket, shielded, Kevlar® support member, and breather tube.

Input/Output:

M Version Connections:

- Loop powered 9-30 VDC Class 2 supply (Red wire) [w/lead reversal protection]
- 4-20 mA output (Black wire)
- Shield/Drain - Ground

Mechanical: Height - 8", Diameter - 2.25" Cable Diameter - 0.26"

Protection: Includes transient voltage suppressors and MOVs. The PVC body provides enhanced electrical isolation from the surrounding environment.

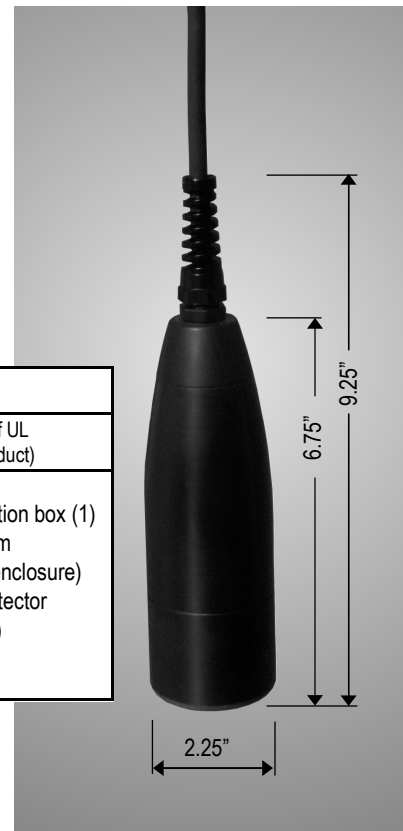
Approvals: UL Listed 508.

IS sensors are UL Listed, Intrinsically Safe for Class I Groups A,B,C,D Class II Groups E,F,G; when installed with a listed barrier and appropriate control drawing. (UL approvals pending)

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



SLX 70 sensor diaphragm(1.25" dia.)



Ordering Information (SEE EXAMPLE BELOW**)

Model	Output Version	Sensor Options	Pressure Sensor	Feet of cable	Options (not part of UL Listed product)
SLX 70	M = 4-20 mA DC	IS = UL 913 Listed	XX 5 6.5 10 15	XX 20 ft. included/min. 10 ft. increments	ENCLOSURE A = Nema 4X Junction box (1) 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 70-M-5-20-B

This includes a submersible level transducer with a 5 PSI sensor, 4-20 mA output and 20 feet of cable.

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(1) Option 'A' includes the sealed breather system



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