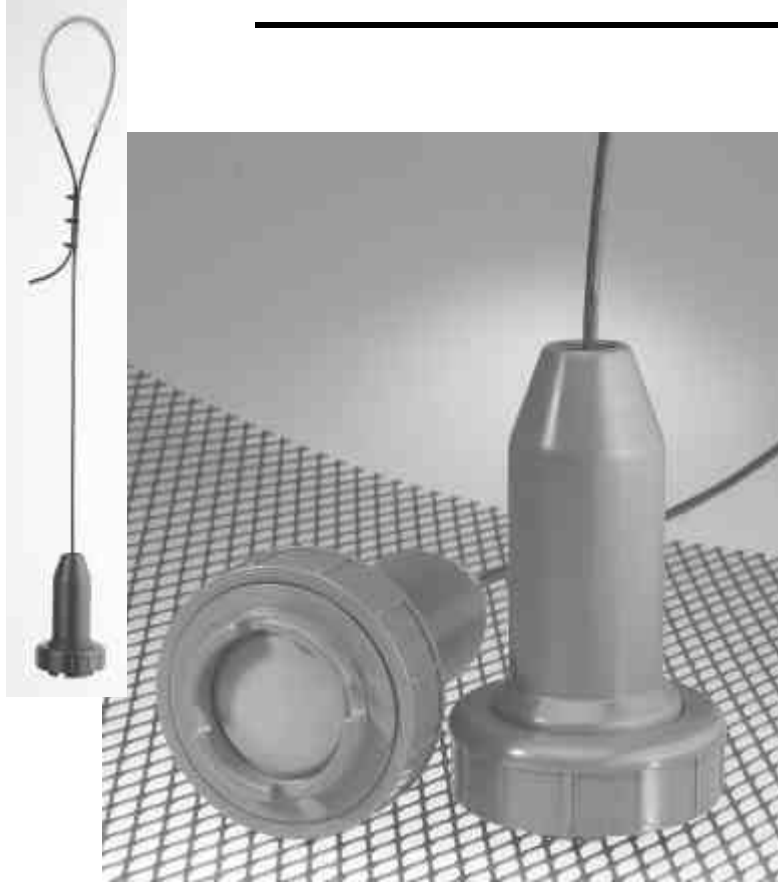

SUBMERSIBLE LEVEL TRANSDUCER



MODEL SLX 100

FEATURES

- Choice of outputs:
 - Loop powered 4-20 mA DC
 - 0.5 - 4.5 VDC
 - Intrinsic Safety
- Choice of ranges:
 - 5, 10, 15, 30 PSI
- High Chemical resistance
- Large 2.5" Teflon diaphragm
- Sealed breather system

APPLICATIONS

- Sewage Wet Wells
- Sludge Sumps
- Water Tanks and Reservoirs
- Clearwells
- Process Sumps

CONTEGRA's SLX 100 submersible level transducers reliably measure the level of water, wastewater, or other liquids based upon the hydrostatic pressure of the liquid above the submerged sensor's diaphragm. The transducer provides an output signal directly proportional to the sensed level over the calibrated range of the sensing element.

These sensors provide superior service in adverse environments. Their wide diaphragm provides clog-free sensing. Their PVC, Teflon[®], PVDF, and Viton[®]

wetted parts provide strong chemical resistance and electrical isolation. They are available with a UL 913 sensor; intrinsically safe for installation in hazardous locations when installed with an approved barrier.

The Model SLX 100 transmitters can be directly powered by, and connected to, Contegra's series of Station Master[™] pump controllers. The Station Master controllers provide internal ranging to the desired control band.

MODEL SLX 100

Specifications

Pressure Ranges (PSI):

- 5 (0 - 11.5 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.

Consult factory for 0.1% accuracy option.

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

Compensated Temperature:

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

Wetted parts: PVC body, Teflon® signal cable and diaphragm, Viton® and PVDF sealing components.

Signal Cable: Teflon® jacket, shielded, Kevlar® support member, breather tube for sealed breather system.

Input/Output:

E Versions: 5 VDC Class 2 supply / 0.5-4.5 VDC output.

M Versions: Loop powered 10-30 VDC Class 2 supply, 4-20 mA output
Lead reversal protection.

Approvals:

UL Listed 508.
IS sensors are UL, cUL Listed, Intrinsically Safe for Class I Groups A,B,C,D Class II Groups E,F,G; when installed with an approved barrier.

Refer to www.Contegra.com for further specifications and updates including: range availability, accuracy option, entity parameters and barrier information.

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 housing shall be fabricated of PVC with a 2.5" diameter Teflon diaphragm. Silicone oil shall be used as a hydraulic fill. The sensor shall be mounted using its signal cable and have 3/4" NPT pipe threading for pipe mounting.

The internal air pressure of the sensor assembly shall be relieved to atmospheric pressure through a sealed breather system.

E version (0.5-4.5 VDC output)

The transmitter shall be a 3 wire, 5 VDC powered type with an output of 0.5-4.5 V directly proportional to the measured level excursion. The transducer shall be UL Listed. The transducer shall be a CONTEGRA Model SLX 100-E.

EIS version (0.5-4.5 VDC output, Intrinsically safe version)

(Substitute the following for the underlined text above.) The sensor shall be UL 913 approved intrinsically safe. The transducer shall be a CONTEGRA Model SLX 100-EIS.

M version (4-20 mA output)

The transmitter shall be a 4-20 mADC, 2 wire, 10-30 VDC loop-powered type, with its output signal directly proportional to the measured level excursion. The transducer shall be UL listed. The transducer shall be a CONTEGRA Model SLX 100-M.

MIS version (4-20 mA output, Intrinsically safe version)

(Substitute the following for the underlined text above.) The sensor shall be UL 913 approved intrinsically safe. The transducer shall be a CONTEGRA Model SLX 100-MIS.

Ordering Information (SEE EXAMPLE BELOW**)

Model	Output Version	Sensor Options	Pressure Sensor	Feet of cable	Options
SLX 100	E = 0.5-4.5 VDC M = 4-20 mADC	IS = UL 913 Listed	XX 5 10 15 30	XXX 20 ft. included/min. 10 ft. increments	ENCLOSURE A = Nema 4X Junction box B = Breather system only OTHER 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 100-MIS-15-40-B

This includes a submersible level transducer with a 15 PSI sensor (UL approved intrinsically safe), 4-20 mADC output, 40 feet of cable and a sealed breather system.

Teflon, Viton, and Kevlar are registered trademarks of DuPont. CONTEGRA and Station Master are registered trademarks of Contegra Inc. Specifications are subject to change without notice.



Contegra Inc.
1286 Carriage Hills Drive
Eagan, MN 55123

PHONE: 651-905-0900
FAX: 651-454-4665
INTERNET: www.Contegra.com

Represented by: