Model SLX 130 Transducer Installation Instructions

General

CONTEGRA's SLX 130 transducer is designed to be vertically mounted. It should be mounted above sludge that may accumulate at the bottom of the vessel. Typically, the transducer's diaphragm is mounted at least six inches above the bottom of the vessel. Contegra offers several mounting options:

Suspended by its signal cable:

1.SLX-BMtg — this is the basic mounting method and is offered free with each SLX 130. It is not recommended for turbulent applications. This method is provided to protect the signal cable. More robust methods are listed below.

2.CH-SLX1—a "cable hanger" which provides superior holding strength (ref. 10179-0001)

Supported by a pipe:

3.SLX-SP1 — 316 SS pipe for cable suspension (ref. 10178-0001)

4.SLX-SP3—PVC pipe for cable or pipe suspension (ref. 10178-0001)

Also, the customer may supply a 316 SS pipe as shown in brochure 10094-0001.

SLX-BMtg

The transducer is cable suspended as shown at left and described below:

1) Locate an appropriate support structure immediately above the point at which the transducer is to be installed. The support structure must be capable of supporting the transducer's weight and be constructed to ensure tong-term reliability in a possibly corrosive environment.
2) Slip the transducer's cable and its PVC collar over the support structure.
3) Center the PVC collar on the support structure. The collar provides abrasion resistance and ensures that the transducer's cable is not severely bent or kinked, thus restricting or prohibiting air flow through the cable's integral breather tube.
4) Secure the transducer's cable over the support structure by applying several cable ties[1] separated by approximately 4 inches (Ref Fig 1).

Note: periodically inspect the transducer's mounting; ensure that it is secured at the proper level and has multiple cable ties securing it at the proper elevation.

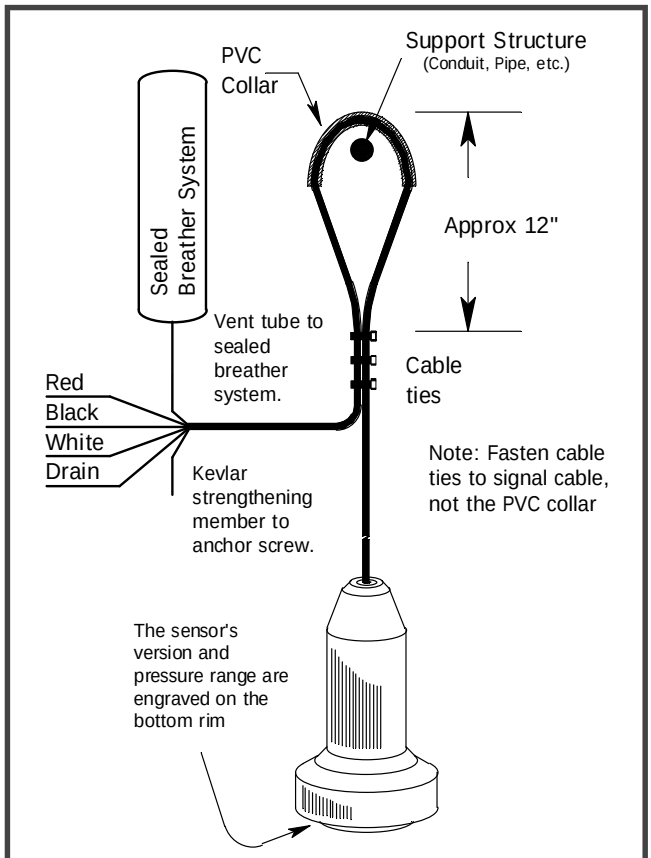

Figure 1
SLX Transducer
(Cable suspended)

Cable Connections				
Wire color / Version	Red	Black	White	Drain/ Shield
SLX 130-E and SLX 130-EIS	+5 VDC excitation	Common	Return signal	Ground[2]
SLX 130-M and SLX 130-MIS	Loop input	Loop return	No connection	Ground[2]

Install Intrinsically Safe versions with approved barriers per:

- Drawing 10211-0130 for SLX 130-MIS
- Drawing 10211-1310 for SLX 131x-MIS
- Drawing 10212-0130 for SLX 130-EIS
- Drawing 10212-1310 for SLX 131x-EIS

Footnotes:
1) Minimum of 6 provided
2) Shielded cables must be grounded at only one end of a run.

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