



Model SLX 305 Transducer Installation Instructions

General

CONTEGRA's SLX transducer is designed to be mounted in a vertical orientation. Typically, the transducer's diaphragm is mounted at least six inches above the sludge that may accumulate at the bottom of a vessel.

The SLX 305 is pendant mounted (i.e. suspended by its signal cable). Contegra has at least two methods for suspending the transducer.

1. The flexible PVC collar, as shown to the right, is provided as a standard item with each SLX 305.
2. Contegra also offers the CH-SLX1 which provides superior holding strength by using two sliding plastic wedges to securely hold the signal cable. (Reference document 10179-0001)

Mounting using the PVC Collar

- 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 long-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 the supplied cable ties¹ separated by approximately 4 inches (Ref Fig 1). Use the cable ties to cinch the cable to itself. Do not cinch the cable to the collar or the collar to the collar. Periodically inspect the tie wraps to ensure their operation. Replace worn tie wraps as necessary.
- 5) If you install the SLX 305 using any other type of clamping mechanism, ensure that the signal cable is not deformed.

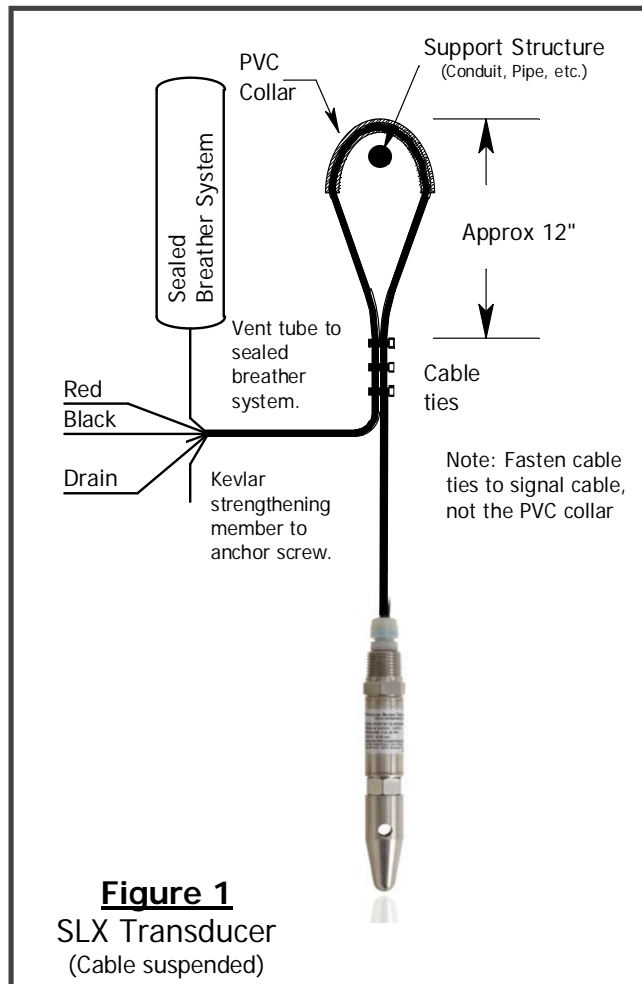


Figure 1
SLX Transducer
(Cable suspended)

| Connections | | | | |
|-------------|------------|-------------|---------------------|------------------|
| Wire color | Red | White | Drain/ Shield | Other conductors |
| Version | | | | |
| SLX 305-M | Loop input | Loop return | Ground ² | No connection |

Footnotes:

- 1) Several cable ties are provided
- 2) Shielded cables must be grounded at only one end of a run.
- 3) The connections shown are for SLX 305s with pressure sensors greater than 5 PSI

Periodically review the transducer's mounting. Ensure that the cable is securely fastened by at least two cable ties.