



Model SLX 300 Transducer Installation Instructions

General

CONTEGRA's SLX 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 six inches above the bottom of the vessel.

The SLX 300 is mounted suspended by its signal cable. Contegra has at least two methods for suspending the cable.

1. A PVC collar as shown at right (provided as standard with each SLX 300).
2. The CH-SLX1 which provides superior holding strength by using two sliding wedges. (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) The PVC collar has been slit length-wise to allow its mounting onto the signal cable at the desired location.
- 3) Slip the transducer's cable and its PVC collar over the support structure.
- 4) 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.
- 5) Secure the transducer's cable over the support structure by applying the supplied cable ties¹ separated by approximately 4 inches (Ref Fig 1). Many tie-wraps are supplied. These need to be inspected and periodically replaced (as needed).
- 6) If you install the SLX 300 using clamps, ensure that the signal cable is not deformed.

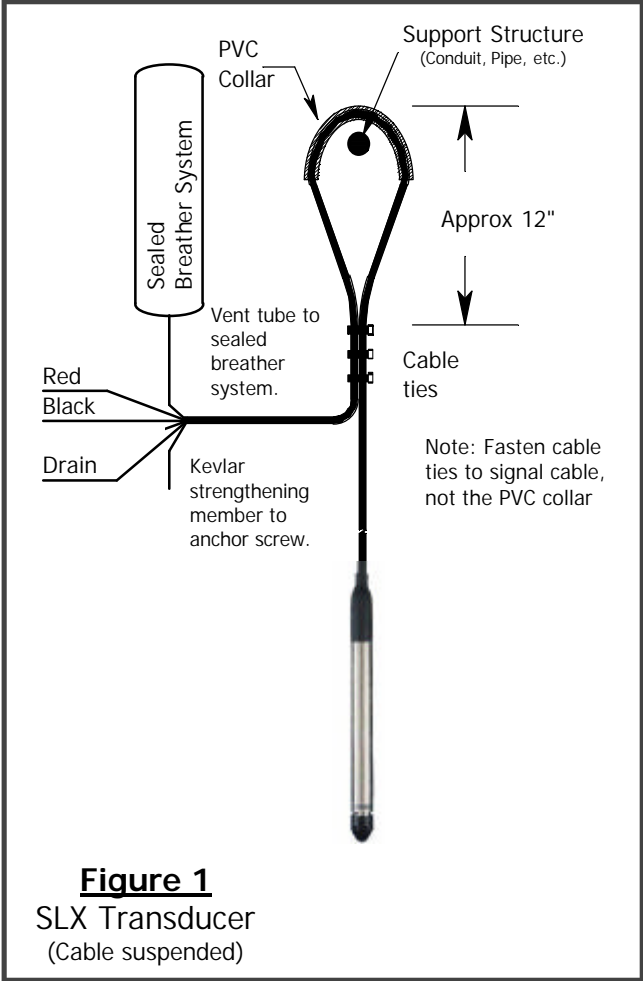


Figure 1
SLX Transducer
(Cable suspended)

Connections				
Wire color	Red	Black	Drain/ Shield	Other conductors
Version				
SLX 300-M	Loop input	Loop return	Ground ²	No connection

Footnotes:
 1) Provided
 2) Shielded cables must be grounded at only one end of a run.
 3) The connections shown are for SLX 300s 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.

Model SLX 300 Transducer Installation Instructions (cont.)



The SLX 300 is shipped with a dry nitrogen purge and a desiccant sealed termination.

Contegra supplies two items for terminating the sensor's breather system.

Sealed Breather System

Remove the double-sided tape's protective layer from the back side of the breather box.

Apply the sealed breather box to a clean surface. Press firmly.

Insert the transducer's tube into the breather assembly's connecting tube. The flexible breather tube typically supplied with our SLX 130 sensor has a reducing tube inserted in it to receive the smaller-diameter breather tube of the SLX 300.

Seal the connection between the two tubes with electrical tape.

Dri-Can Desiccant

A Dri-Can reusable desiccating canister is enclosed. It may be installed at the electrical termination point to protect the breather tube and cable from moisture ingress.

The Dri-Can desiccant canister features a moisture status indicator that should be monitored periodically depending on your application. The Dri-Can has a convenient monitor window. When the desiccant seen through this window turns pink, it indicates that a saturation point has been reached. Heating the Dri-Can in a vented oven at 300 degrees Fahrenheit for about three hours or until the deep color returns to restore the Dri-Can's silicone gel absorbent capabilities.

Calibration Information

Date: _____

Serial number _____

PSI _____

Supply voltage: 9-32 VDC

Output current: 4-20 mA

Non-linearity & hysteresis: +/-0.25% BSL

Application Notes

The power supply must be between 9 and 30 VDC applied to the transmitter terminals.

Maintain electrical termination and breather tube in a clean, dry environment.