

HEAD LEVEL SENSOR

Model TG-EL-HLT-7-C & TG-EL-HLT-15-C

The **TG-EL-HLT-xx-C** sensor transmits a 4-20 mA Head signal to a Preferred Instruments TG-EL-D4A or TG-EL-D5 tank gauge, or to a wide variety of PLC, BAS, SCADA and other similar systems.

TG-EL-HLT-7-C has an 80 "wc range.
(or 7.6 ft of #2 oil with 0.876 sp. gr.)

TG-EL-HLT-15-C has a 160 "wc range.
(or 15.2 ft of #2 oil with 0.876 sp. gr.)

The TG-EL-HLT-x-C is intended for use in vented tanks and for all grades of un-heated fuel oil: kerosene, #1, #2, diesel, etc.

The **TG-EL-HLT-x-C** is Intrinsically Safe when installed in a Class I, Div 1, Group CD Hazardous Location and connected to an Intrinsically Safe Associated Apparatus, such as the TG-EL-D4A or other I.S. devices or barriers.

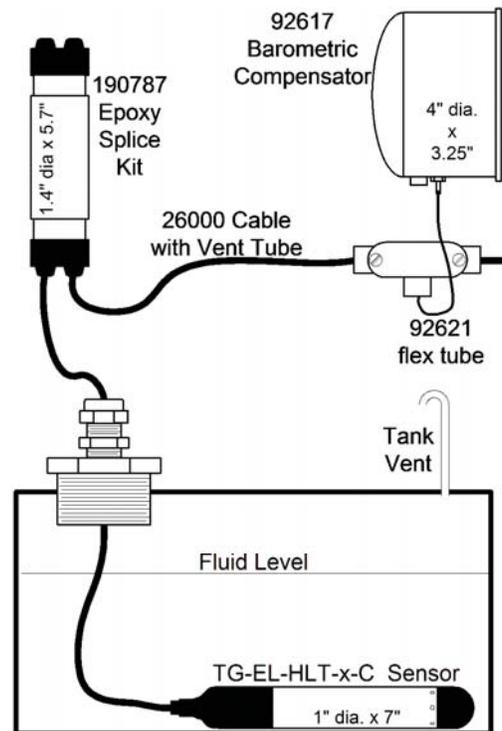
The TG-EL-HLT has a vent tube inside the connecting cable which must be connected to the 92617 Moisture Proof Barometric Compensator. The Compensator senses ambient pressure and 'transmits' it to the sensor via the vent tube, while excluding moisture from the vent tube and sensor.

INSTALLATION

The sensor consists of a stainless steel head with integral FEP cable, 2" x 1/2" NPT bushing, 1/2" NPT cable compression fitting, 190787 epoxy splice kit, 92617 Moisture Protected Barometric Compensator, and 24" of 92621 flexible tubing for Pressure Compensator connection.

TG-EL-HLT-7-C integral cable is 14 ft long.
TG-EL-HLT-15-C integral cable is 22 ft long.

Additional p/n 26000 cable (with integral vent tube) can be purchased separately if required.



Select an Installation location

The sensor lays along the bottom of the tank. The sensor should not be located directly under a fill pipe, a return pipe, a suction pipe, or where the User drops the stick into the tank for manual measurements.

The 92617 Barometric Compensator should be mounted where it is exposed to the same ambient air pressure as the tank vent pipe, and should be mounted on a vertical surface.

The Compensator can be mounted outdoors in the rain. The Compensator should NOT be mounted in a manhole or sump that fills with rain water or ground water.

The Compensator can be mounted indoors if the indoor room air pressure is nearly the same as the tank vent air pressure (typically outdoors). A 0.1"wc Indoor vs Outdoor pressure difference causes a 0.12" tank level error for #2 oil.

Ordering Information

Catalog Number: **TG-EL-HLT-7-C**
TG-EL-HLT-15-C