

LTX15 shown with PV9 head and 1-1/2" NPT fitting.

LTX15 shown with SS2 head and 1-1/2" NPT fitting.

DUAL PROBE CONTINUOUS CAPACITANCE LEVEL TRANSMITTER 4-20mA LOOP POWERED

Product Features

- For non-metallic and metallic tanks
- Compact dual rod design
- Accuracy 1% of span
- 1-1/2" NPT thread standard fitting
- Heavy duty industrial design
- With Teflon fitting, all wetted surfaces Teflon

Applications

- Pharmaceutical plants
- Waste treatment plants
- Water storage tanks
- Chemical holding tanks
- Food and beverage industry
- Acids and very corrosive liquids

Do Not use with:

- Vegetable oil
- Fuel oil
- MEK and other solvents

Description

The LTX15 level sensors are primarily designed for continuous level measurement of liquids in conductive or non-conductive reservoirs. The selection of corrosion-resistant materials used for the probe rod, insulation and process connection, ensures that it can withstand extremely corrosive materials. Ideal for swimming pools, water treatment plants, petrochemical, pharmaceutical and many other commercial and industrial applications. LTX15 is low cost and intended for OEM's.

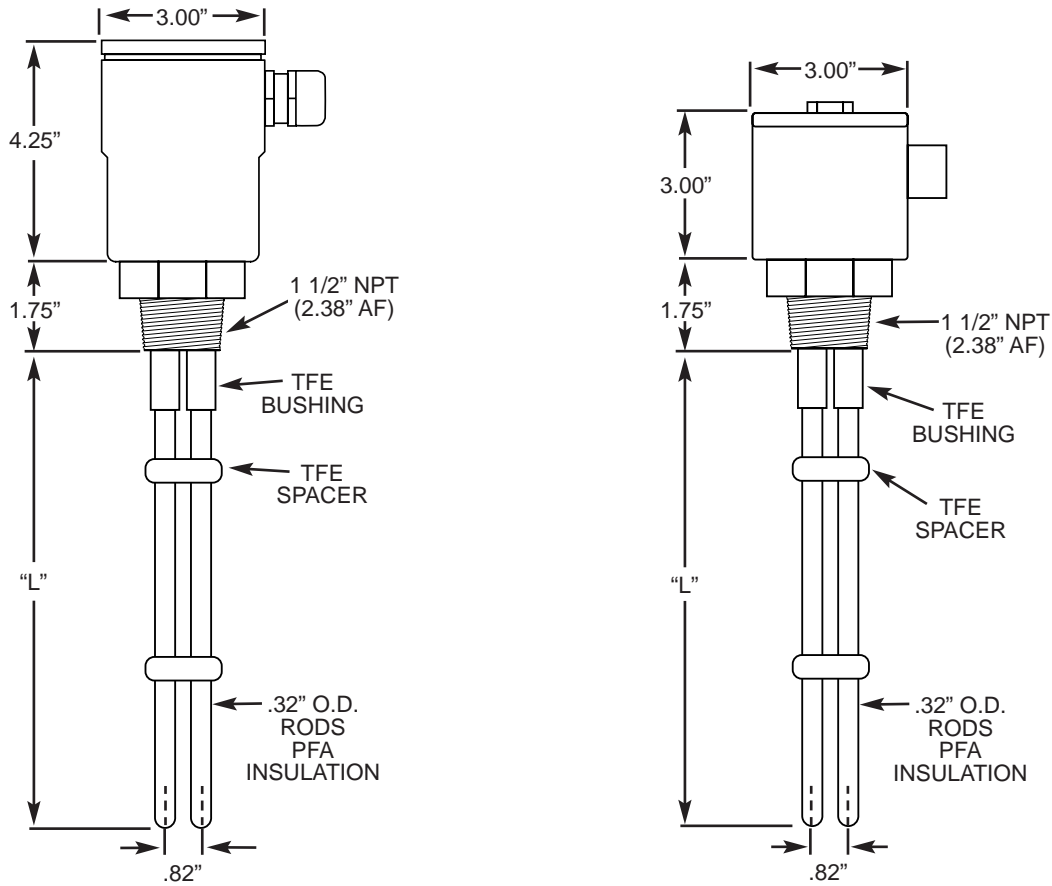
The INTEMPCO series LTX15 dual probe capacitance level transmitter is designed to measure level of corrosive liquids in non-metallic as well as metallic tanks.

The probe measures level by measuring the change in capacitance as level changes in the tank. The microprocessor-based electronics converts this capacitance change into a linear, highly accurate 4-20 mA signal.

The compact, microprocessor-based design makes installation and setup a simple task. The advanced signal conditioning circuitry greatly minimizes the adverse effects of coating media.



LTX15 LEVEL SENSOR



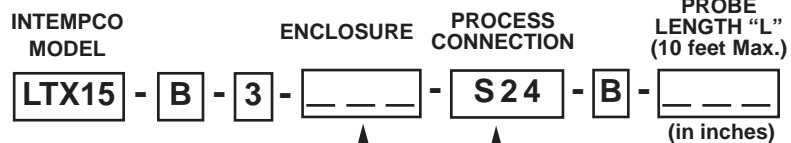
Electrical Specifications

Supply Voltage:	:12 VDC - 36 VDC
Output:	:4 - 20 mA , loop powered
Maximum Loop Res.	:(Vs - 10)/0.02 (i.e. 700Ω at 24VDC)
Calibration	:Via 4 push-button switches
Capacitance range	:10 pF to 10000 pF, jumper
Accuracy	:±1% of full span (constant dielectric)
Repeatability	:±0.1% of span
Damping adjust	:0 - 30 sec
Ambient Temperature:	:-40 to 70 °C (-40 to 158 °F)

Mechanical Specifications

Enclosures	SS2	:Stainless 316, NEMA 4X
	PV2	:PVC, 1/2 NPT conduit, NEMA 4X
	PV9	:PVC, Pg9 gland, NEMA 4X
Mounting Thread		:1-1/2 NPT standard
Wetted Materials		
Standard Fitting:		:1-1/2" NPT 316 SS
Optional Fittings:		:PVC, CPVC or Teflon
Probe:		:Fully PFA Teflon clad
Process Temperature		:200°C max (392 F)-consult factory for higher temperatures
Maximum Pressure		
316 SS Fitting:		:100 psi (7 bar) @ 25°C (77°F)
		:14.5 psi (1 bar) @ 200°C (392°F)
PVC, CPVC or Teflon Fitting:		:50 psi (3.5 bar) @ 25°C (77°F)
		:14.5 psi (1 bar) @ 90°C (194°F)

Ordering Specifications



Enclosure	CODE
Stainless Steel	SS2
PVC (Pg9 Gland)	PV9
PVC (1/2" NPT)	PV2

CODE	Fitting
S24	1-1/2" NPT MALE SS316
T24	1-1/2" NPT MALE TEFLON
P24	1-1/2" NPT MALE PVC
C24	1-1/2" NPT MALE CPVC