



LTX02 shown with
AX3 head and 1 1/2"
NPT fitting.



LTX02 shown with
PV9 head and 1 1/2"
NPT fitting.



LTX02 shown with
SS2 head and 1 1/2"
NPT fitting.

HEAVY DUTY CONCENTRIC TUBE TYPE CONTINUOUS CAPACITANCE LEVEL TRANSMITTER 4-20mA LOOP POWERED

Product Features:

- Continuous loop powered 4-20 mA operation
- Microprocessor Based
- Accuracy 1% of span for constant dielectric of material
- Non-interactive zero and span calibration
- Calibration accomplished with 4 push buttons
- Heavy duty industrial design
- NEMA rated aluminum, stainless, PVC and explosion proof housings available
- Standard fitting 1-1/2 NPT, flange and special fittings available
- SS316 outside tube
- Choice of bare SS316 or Teflon coated probe

Application / Process Notes

- Water and water-based liquids in non-metallic tanks.
- Jacketed probes required for conductive media
- Organic Acids compatible with SS316
- Oils and fuels in metallic and non-metallic tanks
- Use bare probes with non-conductive media
- On-site calibration required
- Not recommended where material dielectric changes

Description:

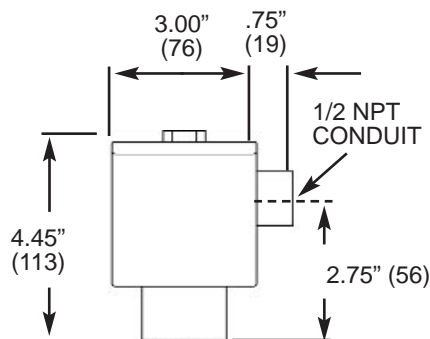
INTEMPSCO LTX02 series 2-wire level transmitters are essentially LTX01 transmitters assembled with a concentric tube. As such LTX02 sensors can measure tank levels of liquids in metallic as well as non-metallic tanks. All other performance specifications are identical to LTX01 sensors.

Level measurement of water based liquids in non-metallic tanks, using a teflon coated probe is an ideal application for the LTX02. To obtain a linear output in an irregularly shaped tank, such as a cone, use a concentric tube LTX02. For oils and mineral based liquids in non-metallic and metallic tanks use LTX02 with a bare SS316 probe. Make sure that the liquids are compatible with SS316 and PFA Teflon materials.

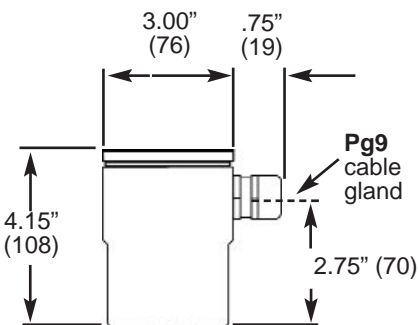
The LTX02 includes a standard 4 - 20mA loop powered LTX transmitter, a rugged customer selected enclosure, a rigid bare SS316 or Teflon coated probe, concentric tube for ranges of up to 20 feet and a fitting. The LTX02 is designed for tanks which have fitting connections of 3/4" NPT or larger. Call factory for smaller tank openings or special applications.



LTX02 LEVEL SENSORS



SS2 Head



PV9 Head

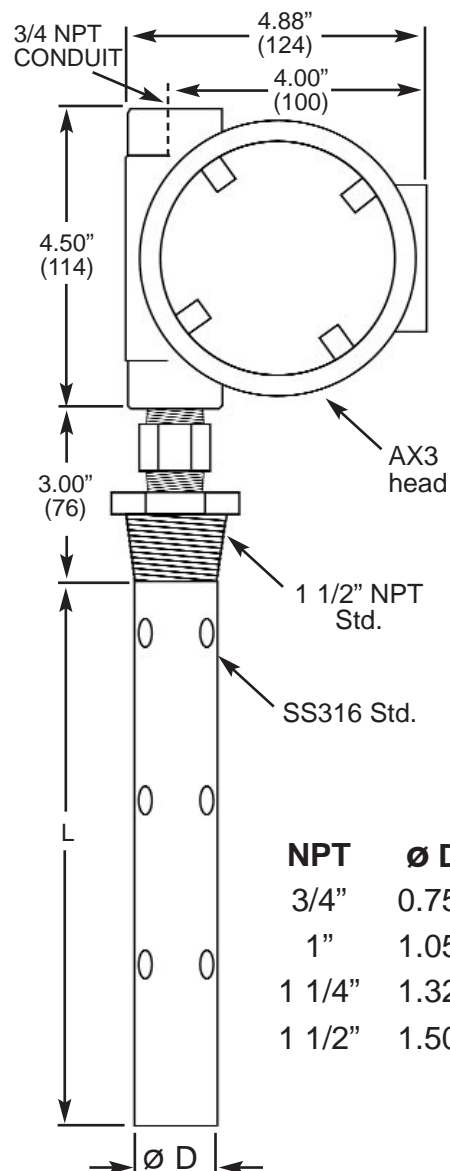
Dim. (xx) are in millimeters

Electrical Specifications

Supply Voltage:	:12 VDC - 36 VDC
Output:	:4 - 20 mA , loop powered
Maximum Loop Res. Calibration	:(Vs - 10)/0.02 (i.e. 700Ω at 24VDC)
	:Via 4 push-button switches non-interactive ZERO and SPAN
Capacitance range	:10 pF to 10000 pF,
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	AH2	:Aluminum, lift cover type, NEMA 4
	SS2	:Stainless 316, NEMA 4X
	AX3	:Aluminum Epoxy Coated, Class I, Gps. B,C&D, Class II, Gps. E,F&G, Class III, CENELEC: EExd IIC, IP66 NEMA 4, 7BCD, 9EFG
	CX3	:Class I, Class II, Div 2,Gps. C&G
Mounting Thread		:1 1/2 NPT standard
Process Temperature		:200°C max (392 F)-consult factory for higher temperatures
Pressure Limits (PH Model only)		:500 psi (34 bar) @ 25°C (77 °F) 250 psi (17 bar) @ 150°C (302 °F) 14.5 psi (1 bar) @ 200°C (392 °F)
Probe mat'l		:PFA Teflon jacketed, or bareSS 316
Tube mat'l		:SS 316 Std., Other available-consult factory



Ordering Information:

INTEPCO MODEL: **LTX02** - **B** - **3** - **ENCLOSURE** - **PROCESS CONNECTION** - **PROBE MATERIAL** - **PROBE LENGTH "L" (20 feet Max.)**
(in inches)

Enclosure	CODE
Explosion Proof	AX3
Explosion Proof	CX3
Aluminum Flip-cover	AH2
Stainless Steel	SS2
PVC (Pg9 Gland)	PV9
PVC with 1/2" Conduit	PV12

CODE	Fitting
P()	Male pipe size 1 1/2 NPT std.
PH()	Male pipe size high pressure 1 1/2 NPT std.
F()	Flange, SS316 RF 150 Lb.
FS()	Flange special specy

CODE	MATERIAL
A	Teflon jacketed solid probe
B	SS316 Bare solid probe

Example: 3/4" NPT = 3/4
1 1/2" NPT = 1-1/2