LTX15 LEVEL SENSORS



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-metalic and metalic 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 oils
-Fuel oils
-MEK and other solvents

Description

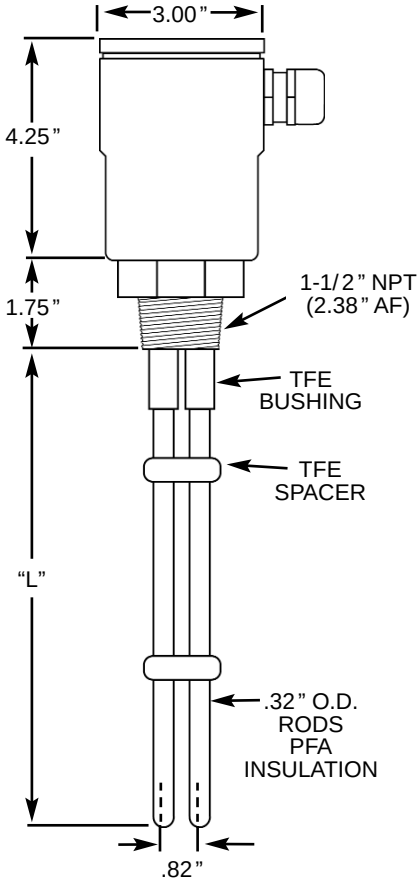
The AYSIX series LTX15 dual-probe level sensors are primarily designed for continous level measurement of corrosive liquids in metalic or non-metalic reservoirs. The selection of corrosion-resistant materials used for the probe and process connection ensures that LTX15 can withstand extremely corrosive media. This sensor is ideal for swimming pools, water treatment plants, petro-chemical, pharmaceutical and many other commercial and industrial applications. LTX15 is low cost and intended for OEM's.

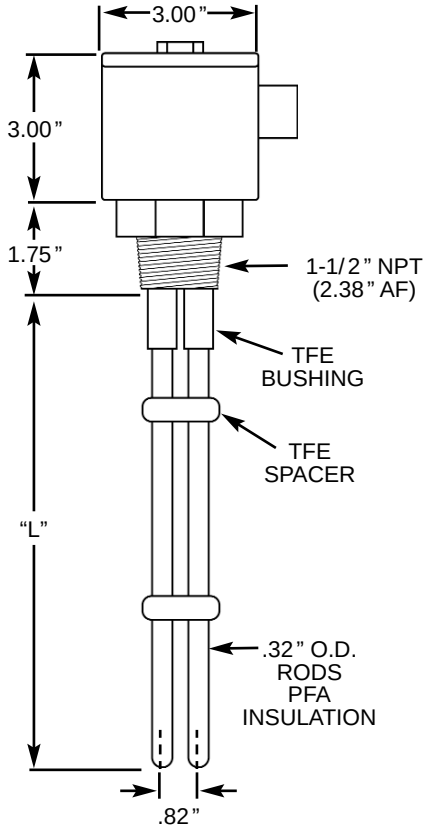
The LTX15 level transmitter is well suited to measure the levels of very thick conductive liquids or slurries. Because the probes are some distance from each other, they will not easily clog.

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 affects of coating media.

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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		: 50 psi (3.5 bar) @ 25°C (77°F)
or Teflon Fitting:		: 14.5 psi (1 bar) @ 90°C (194°F)

Ordering Specifications

AYSIX MODEL		ENCLOSURE		PROCESS CONNECTION		PROBE LENGTH “L” (10 feet Max.)
LTX15	- B -	3	- ___	- _64	- B -	___ (in inches)

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

CODE	Fitting
S64	1-1/2” NPT MALE SS316
T64	1-1/2” NPT MALE TEFLON
P64	1-1/2” NPT MALE PVC
C64	1-1/2” NPT MALE CPVC