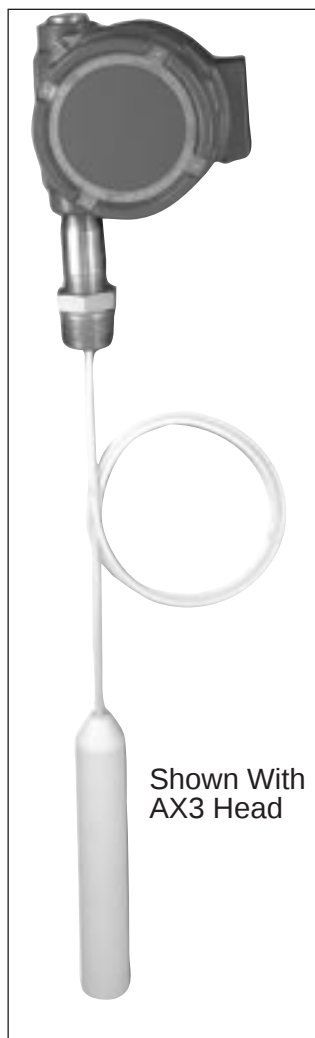




Shown With
AX3 Head



Shown With
AH2 Head



Shown With
PV9 Head

INTEPCO LTX40 CAPACITANCE LEVEL PROBE

ProductFeatures

- Compact cable design
- Accuracy 1% of span
- 1 1/2" NPT thread standard
- For high tanks
- Heavy duty industrial design
- Good for limited top side applications.

Applications

- Waste treatment plants
- Refineries
- Food and beverage industry
- Fire protection systems
- Water storage tanks
- Chemical holding tanks
- Many others

The **Intempco** series **LTX40** cable capacitance level transmitter is designed to measure liquids in high metallic tanks or when top side access is limited.

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.

The series **LTX40** is truly designed with tough applications in mind.



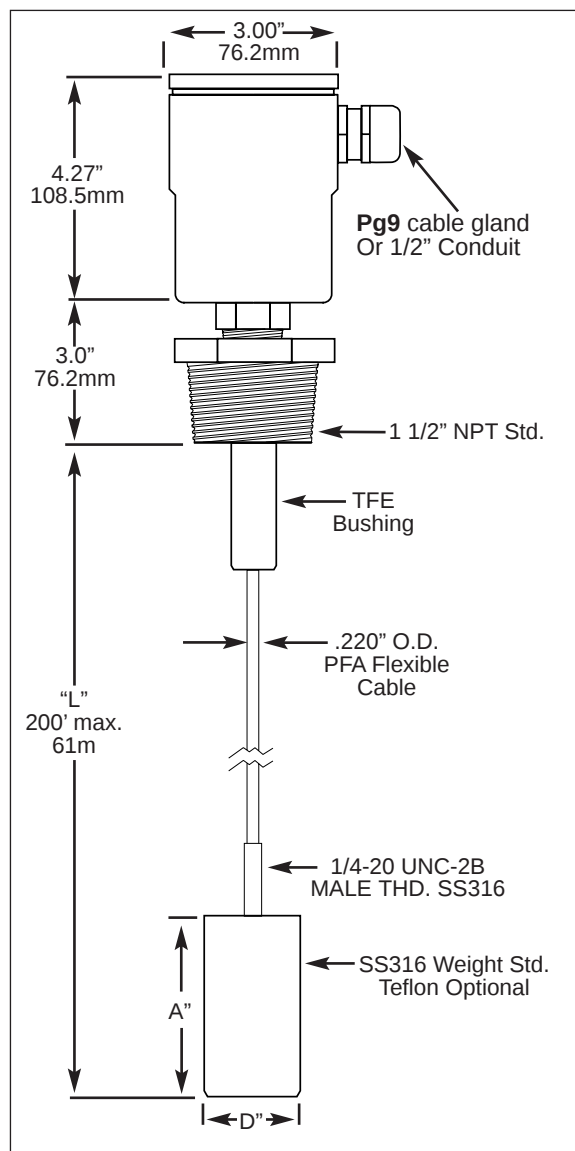
LTX40 LEVEL SENSOR

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 non-interactive ZERO and SPAN
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	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	:Aluminum Epoxy coated, 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 bare SS 316



A = 6" (152mm) For most applications unless otherwise specified by the customer.
D = 1.25" (32mm) Weight for fittings larger than 1-1/4" NPT O.D. decreases for smaller fitting.

INTEPCO
MODEL

LTX40

-

B

-

3

-

-

-

-

(in inches)

ENCLOSURE

PROCESS
CONNECTION

PROBE
MATERIAL

PROBE
LENGTH "L"
(200 feet Max.)

Enclosure	CODE
Explosion Proof	AX3
Explosion Proof	CX3
Aluminum Flip-cover	AH2
Stainless Steel	SS2
PVC (Pg9 Gland)	PV9
PVC with 1/2" Conduit	PV2

CODE	Fitting
P()	Male pipe size 3/4 NPT std.
PH()	Male pipe size high pressure 3/4 NPT std.
F()	Flange, SS316 RF 150 Lb.
FS()	Flange special specify

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