



LTX05 shown with
AH2 head and
3/4" NPT fitting type PH



LTX05 shown with AH2
head and
1" NPT fitting

CONTINUOUS CAPACITANCE LEVEL TRANSMITTER 4-20mA LOOP POWERED

Product Features

- | OEM applications
- | Low cost
- | NEMA 4 rated aluminum housings
- | Standard fitting 3/4 NPT
- | Continuous loop powered 4-20 mA operation
- | Microprocessor Based
- | Non interacting zero and span
- | Calibration accomplished with 4 push buttons
- | Standard or custom probe lengths are available from 6 inches to 20 feet

Applications

- | Water and other conductive liquids in metal tanks
- | Water-based liquids
- | Acids

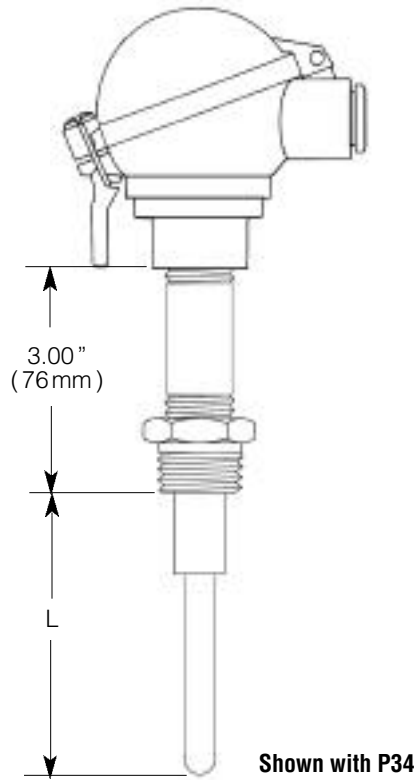
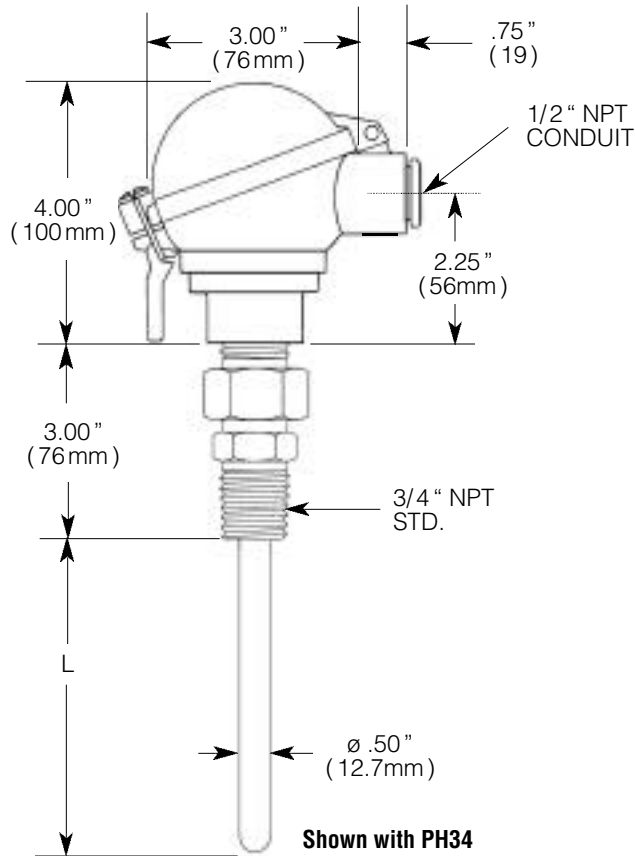
Do Not use with

- | Diesel fuels
- | Hydraulic oils
- | Vegetable oils
- | MEK and other solvents

Description

The LTX05 level sensors are primarily designed for OEM continuous liquid level measurement applications. The assembly consists of NEMA 4 aluminum flip-cover head which houses the electronics, stainless steel process connection and PFA teflon® coated stainless steel probe. LTX05 can withstand extremely corrosive materials. The rugged construction is gas-tight to pressures from vacuum to 34 bar (500 psi). LTX05 is low cost and intended for OEM applications.

LTX05 series, 2 wire level transmitters, are highly reliable microprocessor based, sensors designed to measure tank levels of liquids or certain dry bulk media. LTX sensors measure the change in capacitance that occurs as the tank level changes, and outputs a standard loop-powered 4-20 mA signal. LTX sensors use very high frequency, very low amplitude sensing circuitry to greatly minimize the effects of coating on the sensing probe. Calibration, zero and span, is accomplished via 4 push-buttons on the transmitter.



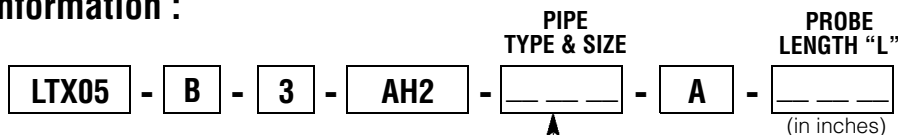
Electrical Specifications

Supply Voltage	: 12 VDC - 36 VDC
Output	: 4 - 20 mA , loop powered
Maximum Loop Res.	: (Vs - 10)/ 0.02 (i.e. 700 at 24VDC)
Calibration	: 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

Enclosure	: Aluminum, lift cover type, NEMA4
Mounting Thread	: 3/4" NPT standard, optional fittings are available
Process Temperature	: Probe limited by jacketing material 200°C max for Teflon coated probes
Pressure Limits (Model LTX05-...PH 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 insulation mat'l	: PFA Teflon, 1/2" (12.7 mm) O.D.

Ordering Information :



PROCESS CONNECTION	CODE
MALE PIPE SIZE 3/4 NPT STD.	P _ _
MALE PIPE SIZE HIGH PRESSURE	PH _ _
FITTING SPECIAL SPECIFY	PS _ _

Example:

LTX05-B3-AH2-PH34-A-12
 This example specifies a high pressure probe with 3/4" NPT Process connection, 12" PFA Teflon® coated probe.