

## APPLICATION

CSA approved intrinsically safe for use in general purpose or hazardous applications, the two-wire ultrasonic transmitter provides non-contact level measurement up to 18' or 5.4m, and is ideally suited for challenging corrosive, slurry or waste liquids. Push button calibrated, the transmitter is typically selected for atmospheric bulk storage, day tank and waste sump applications located within a classified area. Media examples include diesel fuel and sulfuric acid.

## FEATURES

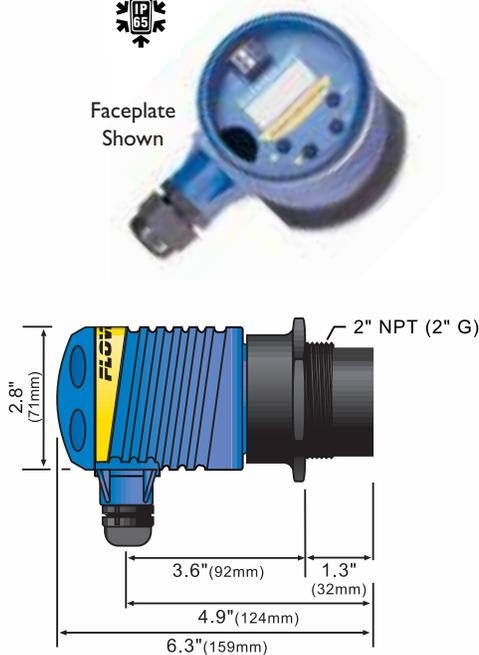
- ✓ Intrinsically safe transmitter for use in hazardous environments
- ✓ LCD digital display indicates level in inches or centimeters
- ✓ EasyCal simple push button calibration for all user set points
- ✓ PP enclosure rated NEMA 4X with rugged PVDF transducer
- ✓ Adjustable dead band and range filters eliminate false echo returns



LU20  
Shown



Faceplate  
Shown



## SPECIFICATIONS

Range:	6" to 18" (15 cm to 5.4m)
Accuracy:	± 0.25% of span in air
Resolution:	0.125" (3 mm)
Beam width:	8" conical
Dead band:	6" (15 cm)
Display type:	LCD, 4-digit
Display units:	Inch or cm
Memory:	Non-volatile
Supply voltage:	12-32 VDC
Loop resist.:	600 Ohms @ 24 VDC
Signal output:	4-20 mA, two-wire
Signal invert:	4-20 or 20-4 mA
Calibration:	Push button
Fail-safety:	Reverts to safe state during echo-loss
Process temp.:	F: -4° to 140° C: -20° to 60°
Temp. comp.:	Automatic
Electronics temp.:	F: -40° to 140° C: -40° to 60°
Pressure:	30 psi (2 bar) @ 25° C., derated @ 1.667 psi (.113 bar) per °C. above 25° C.
Enclosure rating:	NEMA 4X (IP65)
Encl. material:	PP, UL94VO
Trans. material:	PVDF
Process mount:	2" NPT (2" G)
Mount. gasket:	Viton®
Conduit entrance:	Single, 1/2" NPT
Classification:	Intrinsically safe
Approvals:	CSA: Class I, Groups A, B, C & D; Class II, Groups E, F and G; Class III; T3C EEx: Class 1, Division 1, Groups A, B, C, D; EEx ia IIC T3
Parameters:	CSA: Vmax < 32.0 V; Imax < 130 mA; Ca = 0 µF; La = 0 µH EEx: Ui = 32 V; li = 300 mA; Pi = 1.3 µH Ci = 0 µF; Li = 0 µH
Certificates:	CSA: LR 79326
CE compliance:	EN 61326 EMC



LM50  
Shown



LB10  
Shown

## Echotouch ORDER

**LU20-50**  **1-15**

**Process mount (1) (2)**  
 0 2" NPT (US)  
 6 2" G (Metric)

### Ordering Notes

- 1) For installation on open tanks, order the LM50-1001 (2" NPT) or LM50-1061 (2" G) side mount bracket.
- 2) When used in hazardous environments, order the LB10-1001 intrinsic safety barrier.