

LTU42

Ultrasonic Transmitter - Hygienic Clamp Mounting
w/4-20mA Loop Powered

Product Features

- SS 316L Face Material c/w Hygienic Clamp (Tri-Clamp) Mtg. Base
- Simple push-button calibration (Accurate)
- Output 4-20 mA/20-4 mA
- Built-in temperature compensation
- Optional HART communication with calibration, diagnostics and data logging software
- Compact Size for Easy Mounting

Applications

- Food and Beverages
- Pharmaceutical /Water



Technical Specifications

Supply Voltage :	12 to 28 VDC	High Temp High Pressure	
Power Consumption :	0.025 A max @ 24VDC	Sanitary Nozzle Option :	
Output :	4-20 mA	Temperature:	- 40 to 266°F(- 40 to 130°C) for 1/2 Hr. Steam Cleaning. Remove sensor for longer Cleaning cycle ,recommended. Not for Continuous Operation
Maximum Load :	(Vsupply – 11V) / 23mA	Maximum Pressure :	5 bar max. using High Temperature & Pressure Sensor
Output Resolution :	0.006 mA	Approvals :	Intrinsically Safe approvals pending
Accuracy :	± 0.1% of max. span under controlled conditions ± 0.25% of max. span typically in the field	Installation Category :	Class II
Beam Angle :	10 to 12 degree at -3dB	Optional Loop Powered Display :	
Loss of Echo :	Hold for 30 seconds, 3.5 mA or 22 mA.	Display :	4½ Digit LCD ½" high
Temperature Compensation :	Integrated in transducer	Voltage Drop :	0.95V @ 20 mA
Calibration :	Push button	Accuracy :	Reading ± 0.5 %
Conduit Entry :	2x½" NPTF Conduit connection	Humidity :	0-95 % Non-condensing
Enclosure :	PVC-94V0	Range:	3.5 mA to 22 mA 22 mA and above = LOE (Loss Of Echo)
Sensor :	Stainless Steel 316L	Maximum current:	150mA
Ingress Protection :	NEMA 6 (IP67)		
Operating Temperature :			
Ambient Temperature:	-40 to 60°C		
Std. Sanitary Nozzle :			
Temperature:	- 40 to 140°F (- 40 to 60°C) No Steam Cleaning (CIP)		
Maximum Pressure :	1 bar		

Custom Builder

MODEL 1 2 3 4 5 6 7 8

LTU42 - - - - - - - - 0 -

BOX1 CODE	Supply Voltage
D2	12 to 28 VDC (Loop powered) 0.025A max. @ 24VDC

BOX2 CODE	Output
A	4-20mA/20-4mA

BOX3 CODE	Range
30	0.8 - 30ft (0.24 - 9.1m)
20	0.8 - 20ft (0.24 - 6.1m)
16	0.6 - 16ft (0.18 - 4.9m)
09	0.4 - 9ft (0.12 - 2.7m)

BOX4 CODE	Enclosure Type
PV2	PVC, 1/2" NPT x 2 conduits

BOX5 CODE	Process Connection
T15	1-1/2" Hygienic clamp (Max. 16' range)
T20	2" Hygienic clamp

* For High Temperature/ High Pressure option add suffix "H" to code. E.g.: T20H

BOX6 CODE	Communication
0	None
H	HART

BOX7 CODE	
0	Fixed Code

BOX8 CODE	Options
0	None
D1	Head Mounted LCD Display