# LTC

# LTC Series Transmitter

#### Clean - in - Place



# **Description & Features:**

- Ideal for use where sanitary requirements are of high priority (i.e. dairy, food, pharmaceutical, etc.)
- 316-grade stainless steel transmitter is easily cleaned (or steamed) in place with minimal zero shift
- · Insensitive to thermal shock
- Contains no fill oils and is available with a 1.5" (40mm) or 2" (50mm) Tri-Clamp®
- Pressure ranges vary from 0-15 in/H<sub>2</sub>O to 0-1,000 psi
- Standard operating temperature: -40°F to 260°F (-40°C to 128°C)
- ±0.2% accuracy
- 1 year warranty

#### **Applications:**

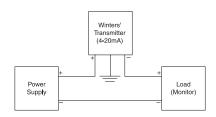
 Dairy and pharmaceutical applications requiring 3A approval, food and beverage processing sanitary pipelines and liquid level control (e.g. tanks)

Specifications Specifications			
Electrical Output	4-20mA, 2 wire (other options available)		
Electrical Connector	15ft shielded cable, ¾" conduit		
Zero/Span Control	Standard		
Product Approvals	3A (37-01), CE		
Connections	1.5" (40mm), 2" (50mm) Tri Clamp®		
Wetted Parts	316 SS		
Housing	316 SS		
Environmental Protection Rating	NEMA 4X (IP65)		
Proof Pressure	Varies with range		
Burst Pressure	Varies with range		
Normal Operating Temperature Range	-40°F to 260°F (-40°C to 128°C)		
Thermal Effect	±2% FSO zero and span shift per 100°F (37.7°C) 20°F to 180°F (-7°C to 80°C) compensated range		
Ambient Temperature Effect on Zero	2% FSO at 100°F (37.7°C)		
Thermal Shock	0°F to 257°F (0°C to 125°C) negligible effect (CIP/SIP)		
Response Time	10ms		
Non-Repeatability	0.1% FSO		
Hysteresis	0.12% FSO		
Accuracy	±0.20% FSO		
Long Term Stability	0.5% FSO per annum		
EMI/RFI Protection	Yes		
Rating Weight	8 oz (227g)		

Tri-Clamp® is a registered trademark of Tri-Clover, Inc.

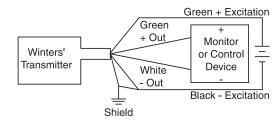
# **Current Output Units**

- 2-wire, 4-20 mA current output device delivers rated current into any external load of 0-800 ohms
- The 4-20 mA current output units are designed to have current flow in one direction only - please observe polarity
- The electrical cable shield should be connected to the system's loop circuit ground to improve electrica noise rejection

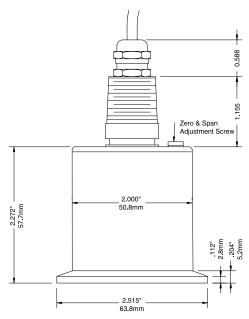


# **Voltage Output Units**

3-wire circuit. If supplied with 2 feet of cable, the electrical connection is as follows:



## 2" Tri-Clamp® Fitting



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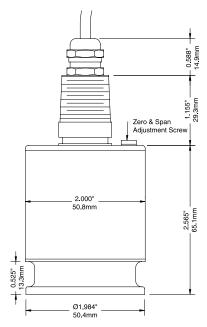
#### **Order Codes**

Pressure Range	1.5" (40mm) Tri-Clamp®	2" (50mm) Tri-Clamp®
0-1 psi (27.7 in/H2O)	-	LTC201
0-2 psi (55.4 in/H2O)	-	LTC202
0-5 psi (138.4 in/H2O)	-	LTC205
0-10 psi (276.8 in/H2O)	-	LTC210
0-15 psi (415.2 in/H2O)	-	LTC215
0-30 psi	LTC1530	LTC230
0-60 psi	LTC1560	LTC260
0-100 psi	LTC15100	LTC2100
0-150 psi	LTC15150	LTC2150
0-300 psi	LTC15300	-
0-500 psi	LTC15500	-
0-1,000 psi	LTC151000	-

Note: Other outputs and options available

Red = +Excitation; connect to appropriate power supply Green = +Output; connect to controls or monitor Black = Common; connect to return of power supply White = -Output; connect to controls or monitor Shielding = Connect to system or earth ground

## 1.5" Tri-Clamp® Fitting



# Series Number (for custom, non-standard product)

