

**Description & Features:**

- Flush mounted stainless steel diaphragm to eliminate any debris build-up in the pressure cavity
- Compact yet rugged stainless steel housing with highly accurate stainless steel sensor
- Available ranges from vacuum to 10,000 psi (700 BAR)
- DIN-style electrical connection, cable outlet & M12 also available
- $\pm 0.5\%$ accuracy standard, $\pm 0.25\%$ accuracy optional
- CE mark and RoHS compliant
- Electromagnetic protection
- 5 year warranty

**Applications:**

- Ideally suited for the pressure measurement of viscous fluids or media which may clog a standard process connection

Specifications

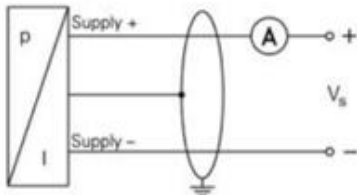
| | |
|------------------------------------|---|
| Output Signal | 4...20 mA, 2-wire / $V_s = 10\text{-}30\text{ Vdc}$ 0...10 Vdc, 3-wire / $V_s = 10\text{-}30\text{ Vdc}$ 0...5 Vdc, 3-wire / $V_s = 10\text{-}30\text{ Vdc}$ 1...5 Vdc, 3-wire / $V_s = 10\text{-}30\text{ Vdc}$ |
| Accuracy | $\pm 0.5\%$ Full Scale Output, $\pm 0.25\%$ FSO optional |
| Overload/Burst Pressure | <1,500 PSI @ 200%, <10,000 PSI @ 300% |
| Load Resistance | $RL = (U-10)/0.02(\Omega)$ (4~20mA current output), >20K Ω (voltage output) |
| Long Term Stability | $\pm 0.25\%$ FSO (typically per year) |
| Response Time | 1 ms |
| Storage Temperature | -10 to 70 deg C (14 to 158 deg F) |
| Operating Temperature | -40 to 85 deg C (-40 to 185 deg F) |
| Insulation Resistance | >100 M Ω @ 50 VDC |
| Reverse Polarity Protection | Yes |
| Electromagnetic Protection | Yes |
| Enclosure Rating | IP65 for DIN 43650-A, IP66 for Cable Outlet / M12 |
| Housing | 1Cr18Ni9Ti |
| Wetted Parts | 316L welded sensor |
| Process Connections | G1/4, G1/2, G3/4, G1 and M20*1.5 |
| Operation Life | 1 million cycles, minimum |
| Weight | 185 grams (0.4 pounds) |

Order Codes

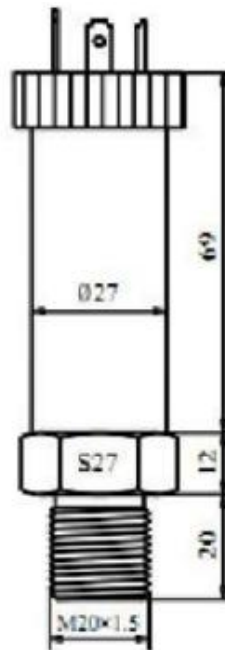
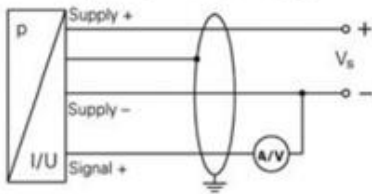
| Range (PSI) | Proof-Pressure (PSI) | 4/20mA, 0.5% Accuracy DIN Electrical Connection | |
|--------------------------|----------------------|--|----------------|
| | | G1/4 M | G1/2 M |
| -14.5-0 PSI (-1-0 BAR) | 15.0 | LTF1101V5GG46S | LTF1101V5GG26S |
| 0-15 PSI (0-1 BAR) | 30.0 | LTF1104P5GG46S | LTF1104P5GG26S |
| 0-30 PSI (0-2 BAR) | 60.0 | LTF1106P5GG46S | LTF1106P5GG26S |
| 0-60 PSI (0-4 BAR) | 120.0 | LTF1109P5GG46S | LTF1109P5GG26S |
| 0-100 PSI (0-6.9 BAR) | 200.0 | LTF1102S5GG46S | LTF1102S5GG26S |
| 0-160 PSI (0-11 BAR) | 320.0 | LTF1103S5GG46S | LTF1103S5GG26S |
| 0-200 PSI (0-13.8 BAR) | 400.0 | LTF1104S5GG46S | LTF1104S5GG26S |
| 0-300 PSI (0-20.7 BAR) | 600.0 | LTF1106S5GG46S | LTF1106S5GG26S |
| 0-500 PSI (0-34.5 BAR) | 1000.0 | LTF1108S5GG46S | LTF1108S5GG26S |
| 0-725 PSI (0-50 BAR) | 1450.0 | LTF1101T5GG46S | LTF1101T5GG26S |
| 0-1,000 PSI (0-70 BAR) | 2000.0 | LTF1103T5GG46S | LTF1103T5GG26S |
| 0-1,500 PSI (0-100 BAR) | 3000.0 | LTF1104T5GG46S | LTF1104T5GG26S |
| 0-2,000 PSI (0-150 BAR) | 6000.0 | LTF1105T5GG46S | LTF1105T5GG26S |
| 0-3,000 PSI (0-200 BAR) | 9000.0 | LTF1107T5GG46S | LTF1107T5GG26S |
| 0-4,000 PSI (0-300 BAR) | 12000.0 | LTF1109T5GG46S | LTF1109T5GG26S |
| 0-5,000 PSI (0-350 BAR) | 15000.0 | LTF1101U5GG46S | LTF1101U5GG26S |
| 0-6,000 PSI (0-400 BAR) | 18000.0 | LTF1102U5GG46S | LTF1102U5GG26S |
| 0-7,500 PSI (0-520 BAR) | 22500.0 | LTF1103U5GG46S | LTF1103U5GG26S |
| 0-9,000 PSI (0-600 BAR) | 27000.0 | LTF1104U5GG46S | LTF1104U5GG26S |
| 0-10,000 PSI (0-700 BAR) | 30000.0 | LTF1105U5GG46S | LTF1105U5GG26S |

Wiring Diagram

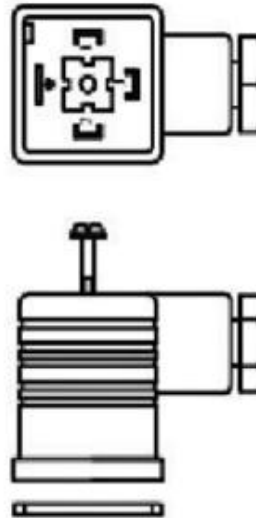
2-wire-system (current)



3-wire-system (current / voltage)



Dimensions (mm)



12mm = 0.5"

20mm = 0.8"

27mm = 1.1"

69mm = 2.7"

LTF Engineering Codes

| | |
|------------------------------------|---|
| OUTPUT | 4...20 mA, 2-wire 0...10 Vdc, 3-wire 1...5 Vdc, 3-wire 0...5 Vdc, 3-wire Other output type, specify |
| ELECTRICAL CONNECTION | DIN 43650 Type-A, IP65 Cable Outlet, PVC Shielded, 1 meter, IP66 M12, IP66 Other material, specify |
| SERIES PRESSURE RANGE (PSI) | -14, 5-0 PSI (-1-0 BAR) 0-15 PSI (0-1 BAR) 0-30 PSI (0-2 BAR) 0-60 PSI (0-4 BAR) 0-100 PSI (0-6.9 BAR) 0-160 PSI (0-11 BAR) 0-200 PSI (0-13.8 BAR) 0-300 PSI (0-20.7 BAR) 0-500 PSI (0-34.5 BAR) 0-725 PSI (0-50 BAR) 0-1,000 PSI (0-70 BAR) 0-1,500 PSI (0-100 BAR) 0-2,000 PSI (0-150 BAR) 0-3,000 PSI (0-200 BAR) 0-4,000 PSI (0-300 BAR) 0-5,000 PSI (0-350 BAR) 0-6,000 PSI (0-400 BAR) 0-7,500 PSI (0-520 BAR) 0-9,000 PSI (0-600 BAR) 0-10,000 PSI (0-700 BAR) Other pressure range, specify |
| ACCURACY | 0.5% Gauge pressure 0.25% Gauge pressure |
| PROCESS CONNECTION | G1/4 Male G1/2 Male G3/4 Male G1 Male M20 * 1.5 316L welded |
| SEAL | |
| SPECIAL | PSI pressure range (standard, no need to include) BAR pressure range Additional 6 ft (2m) PVC cable Additional 10 ft (3m) PVC cable Special |

