Pressure Indicating Transmitter

The Series 7116 Spirahelic® Pressure Indicating Transmitter provides both an ASME Grade 2A accuracy analog pressure gage for precise local indication and a 2-wire, 4-20 mA output signal for remote monitoring and control. Unique triple wound Bourdon tube movement drives pointer directly with no gears, cams or linkages which can wear and fail early. Stainless steel pressure connection block allows a choice of horizontal or vertical piping. Electrical connections, zero and span controls are located on rear.

The Series 619 Pressure Indicating Transmitter simultaneously provides local indication on a large, easily read 3-1/2 digit liquid crystal display while also converting that pressure into a standard 2-wire, 4-20 mA signal for ranges from 0-15 to 0-500 psi. Positive pressure is measured to the accuracy of ±0.5% of full scale. The electrical signal and condition is produced by a piezoresistive pressure cell for precision measurement of compatible gases & liquids. A 316L SS connection block features convenient 1/4˝ female NPT and 1/2˝ male NPT pressure connection.

**SPECIFICATIONS**

**GAGE SPECIFICATIONS**

- **Service:** Compatible gases & liquids.
- **Wetted Materials:** Inconel® X-750 Alloy Bourdon tube, type 316L SS connection.
- **Housing:** Black polycarbonate case and clear acrylic cover.
- **Accuracy:** Grade 2A (0.5% F.S.).
- **Pressure Limit:** 150% of full scale.
- **Gage will maintain its specifications for overpressures up to 150% maximum range. Normal operation should be between 25% and 75% of full scale.
- **Temperature Limits:** 20 to 120°F (-6.67 to 48.9°C).
- **Compensated Temperature Limits:** (-17.8 to 60°C).
- **Stability:** ±1% F.S./yr.
- **Current Consumption:** 38 mA DC max.
- **Loop Resistance:** 2 x maximum range.
- **Thermal Effect:** ±0.025% F.S./°F (0.045% F.S./°C).
- **Power Requirements:** 10 to 35 VDC.
- **Output Signal:** 4 to 20 mA.

**Display:** 1.0˝ (25.4 mm) liquid crystal.

**Agency Approvals:** CE.

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