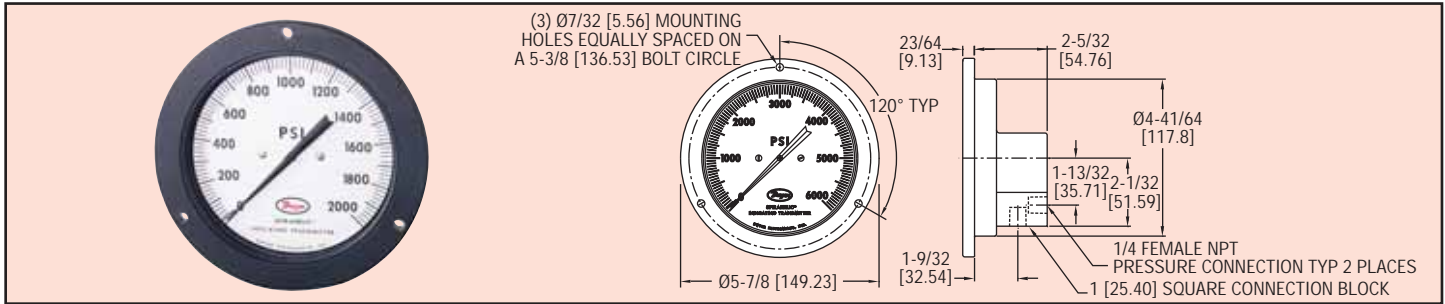




Series
7116

Spirahelic® Pressure Indicating Transmitter

Dial Gage Indication, $\pm 0.5\%$ F.S. Accuracy, Panel Mount



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.

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).

Size: 4-1/2" dial face (114.3 mm), design conforms to ASME B40.1.

Process Connections: Two 1/4" female NPT field selectable back or bottom connection.

Weight: 17.1 oz (581 g).

TRANSMITTER SPECIFICATIONS

Accuracy: 0.5% F.S.

Stability: $\pm 1\%$ F.S./yr.

Temperature Limits: 20 to 120°F (-6.67 to 48.9°C).

Thermal Effect: $\pm 0.025\%$ F.S./°F (0.045% F.S./C°).

Power Requirements: 10-35 VDC (2-wire).

Output Signal: 4-20 mA DC.

Zero & Span Adjustments: Externally accessible potentiometers.

Loop Resistance: DC, 0-1250 ohms.

Current Consumption: DC, 38 mA max.

Electrical Connections: Screw terminals.

Mounting Orientation: Vertical.

Agency Approvals: CE.

Model	Range psig
7116-G060	0-60
7116-G100	0-100
7116-G200	0-200
7116-G300	0-300
7116-G600	0-600

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