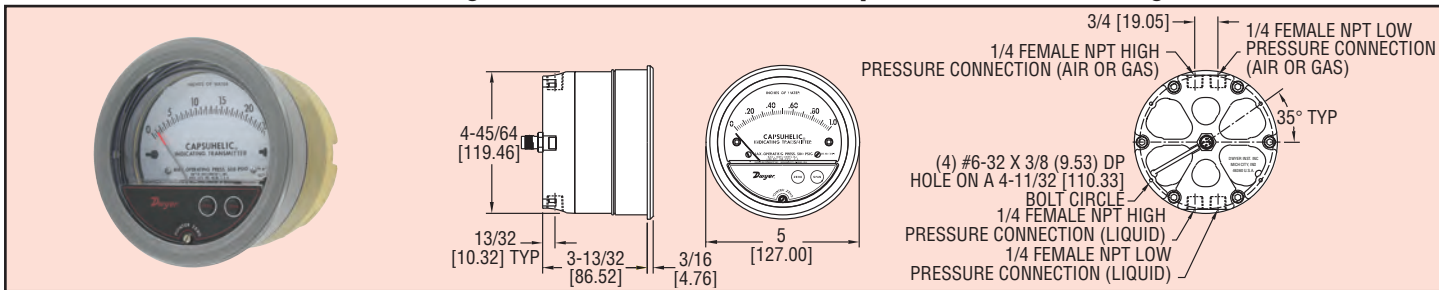




Series
631B

Capsuhelic® Wet/Wet Differential Pressure Transmitter

Ranges Down to 0.5 in w.c. with 500 psi Static Pressure Rating



The Series 631B Differential Pressure Transmitter monitors differential pressure of air and compatible gases and liquids with accuracy. The design employs converting pressure changes into a standard 4 to 20 mA output signal for two wire circuits. Digital push-button, zero and span adjustments are easily accessed on the front cover. The Series 631B Differential Pressure Transmitter is designed to meet NEMA 4X (IP66) construction. Robust housing offers 500 psi static pressure rating on ranges down to 0.5 in w.c.

Model	Range
631B-0	0-0.5 in w.c.
631B-1	0-1 in w.c.
631B-2	0-2 in w.c.
631B-3	0-5 in w.c.
631B-5	0-25 in w.c.

OPTION

For NIST traceable calibration certificate, add suffix -NIST to model numbers. Example: 631B-2-NIST.

ACCESSORY

A-164, 16.4' (5 m) cable with M-12 4-pin female connector

SPECIFICATIONS

Service: Compatible gases & liquids.

Wetted Materials: Brass, silicone, 300 SS.

Accuracy: Transmitter output: $\pm 2\%$ FS (includes linearity, hysteresis and repeatability). Gage: $\pm 3\%$ of full-scale at 70°F (21.1°C).

Stability: $\pm 1\%$ FS/yr.

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

Pressure Limits: -20" Hg to 500 psig (-0.677 bar to 34.4 bar).

Thermal Effect: 0.025%/°F (0.045%/°C) includes zero & span.

Power Requirements: 10 to 35 VDC.

Output Signal: 4 to 20 mA.

Response Time: 50 msec.

Loop Resistance: 0 to 1250 Ω max.

Electrical Connections: M-12 circular 4 pin connector.

Process Connections: 1/4" female NPT high and low pressure taps, duplicated - one pair top for air and gas, and one pair bottom for liquids.

Enclosure Rating: Designed to meet NEMA 4X (IP66).

Mounting Orientation: Diaphragm in vertical position. Consult factory for other position orientations.

Weight: 8 lb, 4 oz (3.74 kg).

Agency Approvals: CE.