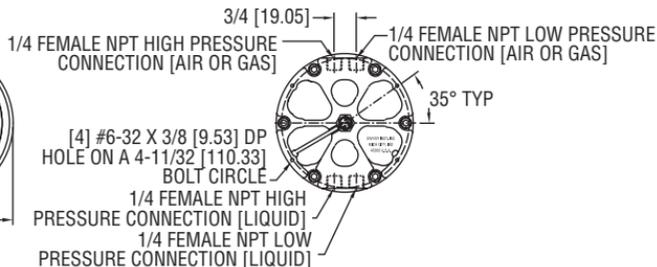
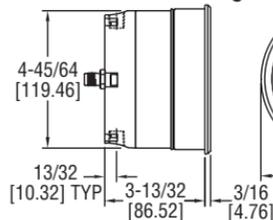


CAPSUHELIC® WET/WET DIFFERENTIAL PRESSURE TRANSMITTER

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



The Dwyer **SERIES 631B** Capsuhelic® Differential Pressure Transmitter monitors differential pressure of air and compatible gases and liquids with accuracy. The design employs converting pressure changes into a standard 4-20 mA output signal for two wire circuits. Digital push-button, zero and span adjustments are easily accessed on the front cover. The Series 631 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.

FEATURES/BENEFITS

- Gage capsule permits high-pressure usage with small differentials
- Versatile device for liquid or gas supports designs requiring more precise measurements in support of application
- Zero and range adjustments outside of gage means no disassembly in normal service
- NEMA 4X rated enclosure provides protection in harsh environments permitting outdoor monitoring or in areas where dust and particulate matter exists

APPLICATIONS

- Refrigeration equipment
- Energy and water management
- Liquid level in water storage tanks

ACCESSORY

Model	Description
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.

MODEL CHART

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

OPTION

To order add suffix:	Description
-NIST	NIST traceable calibration certificate
Example: 631B-2-NIST	