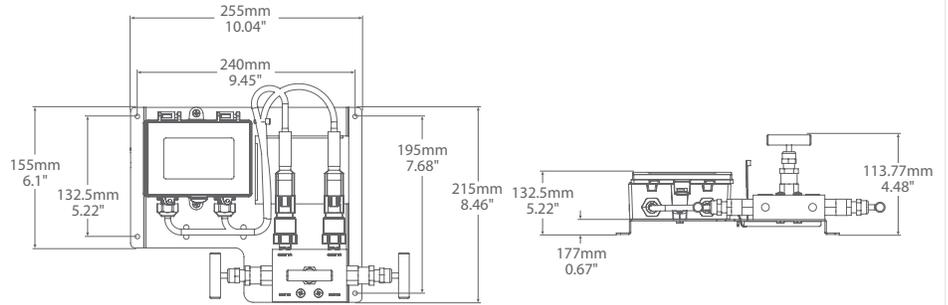




DIFFERENTIAL PRESSURE TRANSMITTER WITH 3-WAY VALVE & BRACKET



DP-3VB SERIES

PRODUCT DESCRIPTION

The differential pressure transmitter includes a pipe-to-pipe 3-valve manifold. The manifold consists of two isolation (block) valves and an equalizer valve. The 3-valve manifold assembly simplifies installation, allows easy service without disruption of the process and reduces costs when compared to using individual components.

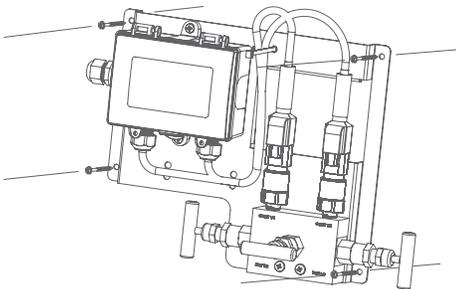
The differential pressure transmitter is designed with dual remote sensors that enable it to accept high pressure in several ranges up to 500 PSI, 30 Bar or 3500 kPa. All models can handle overload pressure 2X and burst pressure 20X the maximum full scale range.

Features include field selectable pressure ranges and output signal types, output reversal and slow damping, port swapping and bidirectional measurements for the most flexible applications. The pressure transmitter is fully factory calibrated and temperature compensated for the highest start-up accuracy.

TYPICAL INSTALLATION

For complete installation and wiring details, please refer to the product installation instructions.

Mount the assembly bracket on a vertical surface using the four integrated mounting holes. Avoid locations with high vibrations or excessive moisture.



SPECIFICATIONS

POWER SUPPLY	24 Vac/dc $\pm 10\%$ (non-isolated, half-wave rectified)
CONSUMPTION	75 mA max @ 24 Vdc
OUTPUT SIGNAL	4-20 mA sourcing, 0-5/0-10 Vdc (switch selectable)
OUTPUT DRIVE	Current: 550 Ω max Voltage: 10,000 Ω min
PROTECTION CIRCUITRY	Reverse voltage protected, transient protected
LCD DISPLAY	35mm x 15mm (1.4" x 0.6"), 2 line x 8 character
ACCURACY	$\pm 1\%$ full scale of selected range (range 4 is $\pm 2\%$ FS) @ 22°C (72°F) including hysteresis, non-linearity, and repeatability
STABILITY	$\pm 0.25\%$ FS typical (1 year)
PRESSURE RANGES	4 per model (menu selectable)
MEDIA COMPATIBILITY	17-4 PH stainless steel
PROOF PRESSURE	2X highest range per model
BURST PRESSURE	20X highest range per model
MAXIMUM LINE PRESSURE	= highest model range
PRESSURE CYCLES	>100 million
SURGE DAMPENING	1-60 seconds averaging (menu selectable)
ZERO ADJUST	Push-button and remote input
SENSOR OPERATING RANGE	-40 to 105°C (-40 to 221°F)
AMBIENT OPERATING RANGE	0 to 50°C (32 to 122°F), 10 to 90 %RH non-condensing
PRESSURE CONNECTION	1/8" NPT female
REMOTE SENSOR RATING	IP67
REMOTE SENSOR CABLE	Armored Flexible S/S
WIRING CONNECTION	14-22 AWG screw terminal block
ENCLOSURE	B: Polycarbonate, UL94-V0, IP65 (NEMA 4X) E: Same as B, with thread adapter (1/2" NPT to M16) and cable gland fitting
WEIGHT	2380g (83.95 oz)
APPROVALS	CE, RoHS
COUNTRY OF ORIGIN	Canada

ACCESSORIES - INCLUDED WITH F ENCLOSURE OPTION



CABLE GLAND FITTING

THREAD ADAPTER 1/2" NPT TO M16

