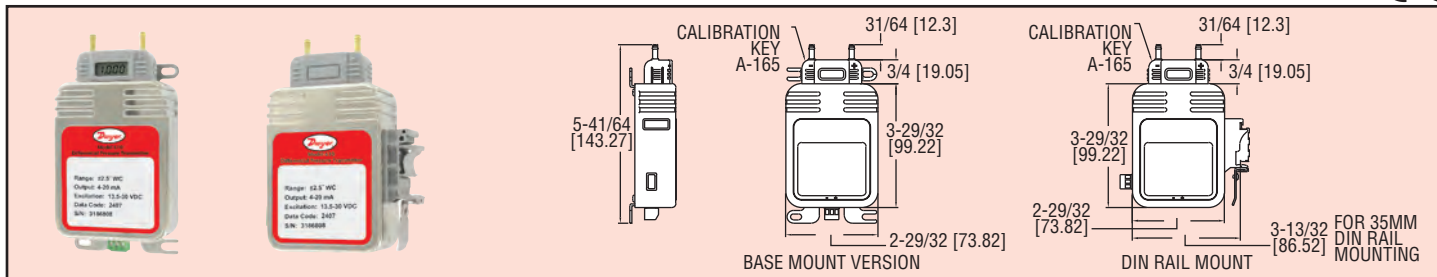




Series
610

Precision Low Differential Pressure Transmitter

Ideal for Clean Rooms, Easy to Field Calibrate with Security Key



The Series 610 Low Differential Pressure Transmitters are capable of measuring the pressures and flow of air or non-conducting gases at high resolutions. Designed specifically for clean rooms, isolation rooms, and other critical environments, the Series 610 is ideal for situations when accurate and reliable pressure monitoring is essential. Easy access pressure ports and electrical connections, removable process heads, and detachable terminal blocks make for fast and easy installation. The Series 610 transmitters are available for air pressure ranges as low as 0.1 in w.c. full-scale. The Series 610 transmitters can be ordered as either $\pm 0.25\%$ or $\pm 0.5\%$ FS accuracy, base mount or din rail mount and the option of a digital read out display. In addition, a calibration key can be ordered that allows the user to set zero and span. One key will work on multiple transmitters.

0.5% Accuracy			
With Display		Without Display	
Model	Range	Model	Range
610-01D-BDE	0-.1"	610-01D-BNE	0-.1"
610-25D-BDE	0-.25"	610-25D-BNE	0-.25"
610-05D-BDE	0-.5"	610-05D-BNE	0-.5"
610-01A-BDE	0-1"	610-01A-BNE	0-1"
610-25A-BDE	0-2.5"	610-25A-BNE	0-2.5"
610-05A-BDE	0-5"	610-05A-BNE	0-5"
610-10A-BDE	0-10"	610-10A-BNE	0-10"
610-01C-BDE	$\pm .1"$	610-01C-BNE	$\pm .1"$
610-25C-BDE	$\pm .25"$	610-25C-BNE	$\pm .25"$

Note: For 0.25% accuracy models change last letter E to V.
For Din Rail Mount models change the letter B to D.

SPECIFICATIONS

Service: Air or similar non-conducting gases.

Accuracy: $\pm 0.25\%$ or $\pm 0.5\%$ FS.

Stability: $\pm 0.5\%$ /yr.

Temperature Limits: -20 to 160°F (-29 to 71°C).

Pressure Limits: 2 psi (0.137 bar).

Thermal Effect: 0.5% FS.

Power Requirements: 13.5 to 30 VDC.

Output: 4 to 20 mA.

Loop Resistance: 800 Ω max.

Current Consumption: 25 mA.

ACCESSORIES

A-165, Security Key

A-616, Process Head without display

A-617, Process Head with LCD display

OPTION

For NIST traceable calibration certificate, use order code NISTCAL-PT1.

Zero and Span Adjustments:

External security key pendant.

Response Time: 0.02 to 0.04 seconds.

Electrical Connections: Detachable screw terminal connector.

Process Connections: 3/16" OD barbed brass fittings on removable process head.

Enclosure Rating: Fire retardant ABS.

Mounting Orientation: Vertical.

Weight: 9 oz (255 g).

Agency Approvals: CE.

See page 567 for process tubing options.

See page 568 for static fitting options.