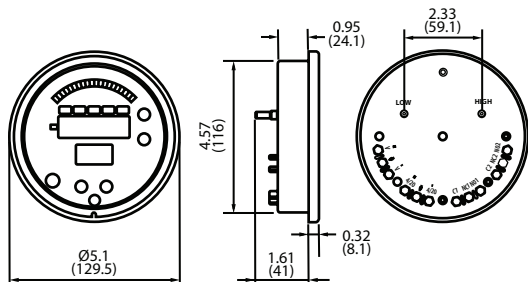


Series A1

Digital Differential Pressure Gauge



DIMENSIONS



SPECIFICATIONS

Maximum Pressure:

Ranges -00 to -05 = 2 PSI (13.8 kPa)
 Ranges -06 to -14 = 10 PSI (68.9 kPa)

Media Compatibility: Air and compatible non-compatible, non-corrosive gasses

Accuracy: 1.0%, 0.5% or 0.25%

Temperature Ranges:

Compensated and Operating: -10° to 140°F (-23° to 60°C)

Thermal Effect: +/- 0.02% FS/°F

Output Signal: 4-20 mA (option)

Loop Resistance: 750 Ω Max (for internally sourced power); 1800 Ω Max (for externally sourced power of 36 VDC)

Power Supply: Universal 24-240 VAC or VDC

Housing Material: Glass Filled Nylon

Enclosure Rating: Designed to meet NEMA 4X (IP 65) face; with optional cover the entire product is weatherproof

Electrical Connections: screw terminals

Response Time: <100 ms

Display: 4 Digit, red LED, ½" (12.7 mm) digits

Process Connections: Push on connection for 3/16" (5 mm) tubing

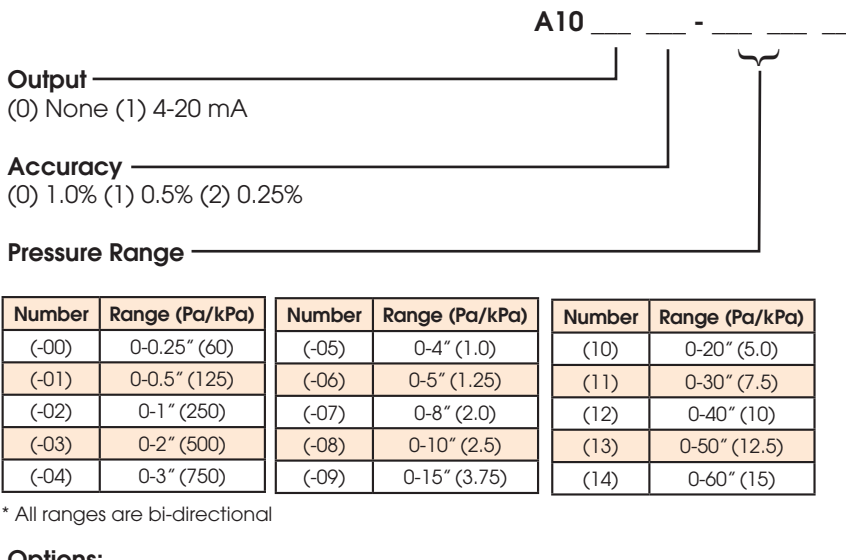
Agency Approvals: ETL, CE

- Mounts in Industry Standard Holes
- Universal Power 24-240 VAC/VDC
- Optional 4-20 mA Output
- Accuracy 1.0%, 0.5% or 0.25%
- Large LED Display

The Series A1 digital differential pressure gauge is a patent pending microprocessor based digital pressure gauge for positive, negative, and differential measurement designed to be a direct replacement for mechanical gauges. The Series A1 differential pressure gauges utilize an extremely stable piezoresistive sensing technology to give a standard full scale accuracy of 1%. For applications requiring better accuracy, the A1 is available with 0.5% or 0.25% accuracy. The A1 pressure gauge has an optional 4-20 mA output for applications requiring an output signal. The A1 features a bright ½" LED display, which gives the gauge improved readability and precision. The A1 digital differential pressure gauges also feature 5 user selectable engineering units including in. w.c., mm w.c., cm w.c., kPa, and Pa. The Series A1 offers an improved look, and performance compared to mechanical gauges.

PART NUMBER CONFIGURATION

Sample: A1010-03



Options:

- P** 4-20 mA calibrated in Pa
- M** 4-20 mA calibrated in mm w.c.
- B** 4-20 mA scaled to bi-directional range (zero center)
- PB** 4-20 mA scaled to bi-directional range, calibrated in Pa
- MB** 4-20 mA scaled to bi-directional range, calibrated in mm w.c.

ACCESSORIES

- **A-101** Weatherproof Cover / Surface Mount Bracket
- **A-201** Rubber 90 degree fitting for 3/16" ID tubing
- **A-010** PG 21 Cable Gland for use with A-101 Cover
- **PK-03** Opti-Link™ Infrared Programming Remote