

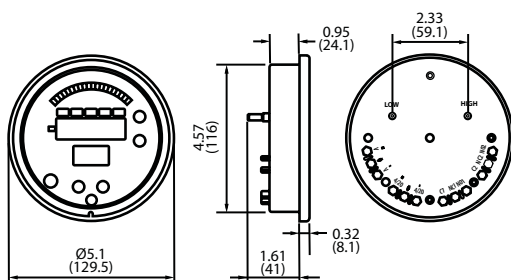
# Series A2



## 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-combustible, 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

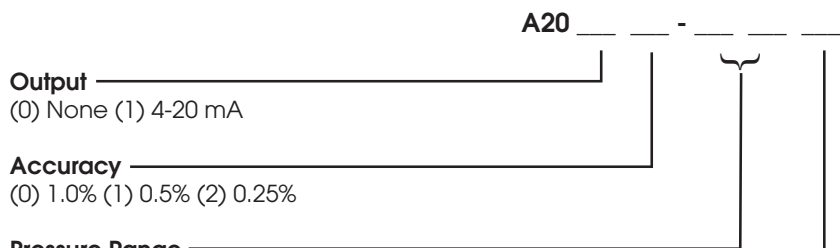
**Agency Approvals:** ETL, CE

- 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
- LED Process Arch

The Series A2 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 A2 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 A2 is available with 0.5% or 0.25% accuracy. The A2 pressure gauge has an optional 4-20 mA output for applications requiring an output signal. The A2 features a bright ½" LED display and process arch, which gives the gauge improved readability and precision. The A2 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 A2 offers an improved look, and performance compared to mechanical gauges.

### PART NUMBER CONFIGURATION

Sample: A2011-06



**Output** \_\_\_\_\_  
(0) None (1) 4-20 mA

**Accuracy** \_\_\_\_\_  
(0) 1.0% (1) 0.5% (2) 0.25%

**Pressure Range** \_\_\_\_\_

Number	Range (Pa/kPa)	Number	Range (Pa/kPa)	Number	Range (Pa/kPa)
(-00)	0-0.25" (60)	(-05)	0-4" (1.0)	(10)	0-20" (5.0)
(-01)	0-0.5" (125)	(-06)	0-5" (1.25)	(11)	0-30" (7.5)
(-02)	0-1" (250)	(-07)	0-8" (2.0)	(12)	0-40" (10)
(-03)	0-2" (500)	(-08)	0-10" (2.5)	(13)	0-50" (12.5)
(-04)	0-3" (750)	(-09)	0-15" (3.75)	(14)	0-60" (15)

\* All ranges are bi-directional

#### 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