Series A2
Digital Differential Pressure Gauge

SENSOCON

Features

- **Mounts in Industry Standard Holes**
- **Universal Power 16 – 265 VAC / VDC**
- **Accuracy 1% (better available)**
- **Large 0.5" LED Display**
- **LED Process Arch**
- **Weatherproof Face**
- **5 selectable engineering units**
- **Opti◉Link™**
- **Optional 4-20 mA output**

Applications

- **Filter Status**
- **Duct Static Pressure**
- **Clean Room Pressure**
- **Building Pressure**
- **Fan and Blower Pressure**
- **Paint Booths**
- **Dust Collectors**
- **Glove Box Pressure**
- **Bubbler Systems**
- **Laminar Flow Hoods**
- **Cabinet Purging**

The series A2 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 utilize an extremely stable piezoresistive sensing technology to give a standard full scale accuracy of 1%. For applications requiring better accuracy, the A2 is also available with 0.5% accuracy. The A2 also 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 also features 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 compare to mechanical gauges.

SPECIFICATIONS

Maximum Pressure: Ranges ≤ 4" w.c. = 2 PSI; Ranges ≥ 5" w.c. = 10 PSI
Media compatibility: Air and compatible non combustible, non corrosive gasses
Accuracy*: Axxx0-xx - 1.00%; Axxx1-xx - 0.50%
Temperature Ranges:
    Compensated: -10° to 140°F (-23° to 60°C)
    Operating: -10° to 140°F (-23° to 60°C)
Thermal Effect*: +/- 0.012% 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 16-265 VAC or VDC
Housing Material: Glass Filled Nylon
Enclosure Rating: Designed to meet NEMA 4X face; with optional cover the entire product is weatherproof
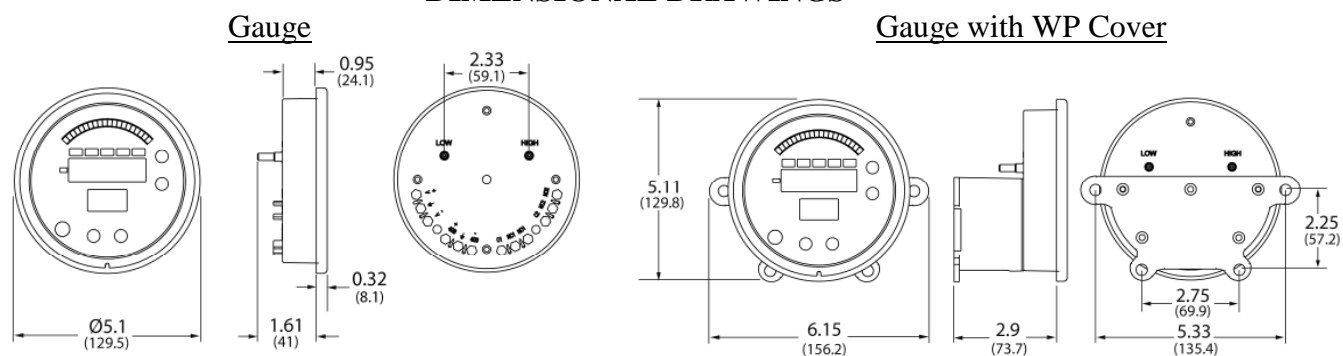**Electrical Connections:** screw terminals
Response Time: <100 ms
Display: 4 Digit, red LED, ½" digits
Process Connection: Push on connection for $^{3}/_{16}$" tubing
Agency Approvals: Pending – UL, C-UL, CE

* Custom calibration including improved accuracy and thermal effect are available.

DIMENSIONAL DRAWINGS

Gauge   Gauge with WP Cover

ORDERING INFORMATION

Part Number Configuration

Example:	A2011-03					Description
Model	A					4 ½" Housing
Display		2				LED Display w/ Process Arch
Function			0			Indication
Transmitter				0		None
				1		4-20 mA
Accuracy					0	1%
					1	0.50%
Pressure Range*					-	01	0 – 0.5"
					-	02	0 – 1"
					-	03	0 – 2"
					-	04	0 – 3"
					-	05	0 – 4"
					-	06	0 – 5"
					-	07	0 – 8"
					-	08	0 – 10"
					-	09	0 – 15"
		*All ranges are bi-directional			-	10	0 – 20"
					-	11	0 – 30"

ACCESSORIES

Opti⦿Link™ Programming Keys

PK-01 Universal programming key
PK-02 Keypad lock/unlock key

Weather Proof/Surface Mount Cover

A-101 Weather proof cover