



# PRESSURE

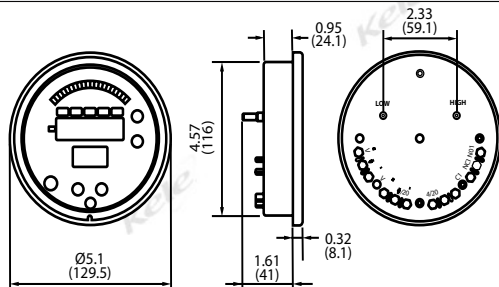
## DIGITAL GAUGE SERIES A

### DESCRIPTION

The **Sensocon Series A1 and A2 digital differential pressure gauges** utilize a patent pending microprocessor based digital pressure gage for positive, negative, and differential measurement designed to be a direct replacement for mechanical gauges. The **Series A** digital 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 **Series A1 and A2** are also available with 0.5% or 0.25% accuracy. The **Series A1 and A2** also have an optional 4-20 mA output for applications requiring an output signal. While the **A1** features a bright LED display, the **A2** adds a bright process arch which gives the gauge improved visibility, readability and precision. Both the **Series A1 and A2** digital differential pressure gauges also feature 5 user selectable engineering units including inches of W.C., mm W.C., cm W.C., kPa, and Pa.

The **Sensocon Series A3 and A4** digital differential pressure controllers are a patent pending microprocessor based pressure controllers for positive, negative, and differential pressure as well as velocity and flow. These **Series A3 and A4** differential pressure controllers include (2) 8A SPDT relays and an associated programming menu that allows full configuration of variables such as setpoints, dead band, engineering units, flow coefficients, and more. The programming is done from a user friendly menu on the LCD(A3) or OLED (A4) display or uploaded using an Opti Link.

### DIMENSIONS



### FEATURES

- Mounts in industry standard holes
- 1.6" (41 mm) panel depth
- LED or OLED program display
- Measures flow & velocity
- Optional 4-20 mA output
- Universal power 24-240 VAC/VDC
- Two 8A SPDT relays

### SPECIFICATIONS

Supply Voltage	24-240 VAC/VDC, 7 VA
Accuracy	1.0% standard (0.5% and 0.25% optional)
Signal Output	4-20 mA (optional), 120 mA (VDC)
Maximum Output Impedance	750Ω
Relay Output	(2) SPDT
Relay Output Rating	8 Amps @ 250 VAC, 5A @30 VDC
Thermal Effect	+/- 0.02% FS/°F
Maximum Pressure	≤4" WC 2 psi; 5" WC or more 10 psi
Display	4 Digit, red LED, ½" digits, LCD programming display (A3 and A4 only)
Response Time	<100 ms
Operating Temperature	-10° to 140°F (-23° to 60°C)
Media Compatibility	Air and compatible non combustible, non corrosive gasses
Enclosure Rating	Face designed to meet NEMA 4X with optional cover, Glass Filled Nylon body
Process Connection	Push on connection for 3/16" tubing
Wiring Terminations	screw terminals
Approvals	ETL, CE
Warranty	1 year

### ORDERING INFORMATION

Model	Description
A	Series A 4.5" panel mount display
DISPLAY CONFIGURATION	
1	LED display
2	LED display, process arch
3	LED display, process arch, and LCD
4	LED display, process arch, and OLED
FUNCTION	
0	Indication
1	Control (2) SPDT relays (A3 and A4 only)
TRANSMITTER	
0	None
1	4-20 mA
ACCURACY	
0	1%
1	0.50%
2	0.25%
PRESSURE RANGE*	
0	0 - 0.25" (60 Pa)
1	0 - 0.5" (125 Pa)
2	0 - 1" (250 Pa)
3	0 - 2" (500 Pa)
4	0 - 3" (750 Pa)
5	0 - 4" (1 kPa)
6	0 - 5" (1.25 kPa)
7	0 - 8" (2.0 kPa)
8	0 - 10" (2.5 kPa)
9	0 - 15" (3.75 kPa)
10	0 - 20" (5.0 kPa)
11	0 - 30" (7.5 kPa)
12	0 - 40" (10 kPa)
13	0 - 50" (12.5 kPa)

\* All ranges are bi-directional

