

## Differential Gauge - Diaphragm Type



# 1100 SERIES

- Precisely measures pressure drops across filters, strainers, separators, heat exchangers and applications where a higher level of solids are present in the measuring media
- High side is completely isolated from low side to prevent fluid movement between ports
- Maximum static or working pressure to 3,000 psi, 1,500 psi with brass housing
- 2-1/2 and 4-1/2 inch sizes – top & bottom, or back connected
- Sensor housing is cast in a black anodized aluminum, 316L Stainless steel or brass and comes standard with a weather-resistant NEMA 4X enclosure and shatter-resistant acrylic lens
- Optional liquid filling lubricates gauge internals and extends service life by dampening the effects of vibration, pulsation and shock
- Convoluted diaphragm fully supported to the rated working pressure of the gauge
- Shipped with a certificate of calibration to ensure accuracy and quality performance

### SPECIFICATIONS

<b>Nominal Sizes</b>	2-1/2 Inch (63.5mm) 4-1/2 Inch (114.3mm)
<b>Case and Bezel Material</b>	Fiberglass reinforced thermoplastic
<b>Lens</b>	Acrylic – standard Laminated safety glass – optional
<b>Sensor Housing Material</b>	Black anodized aluminum – standard 316L Stainless steel – optional Brass - optional
<b>Sensor Material</b>	316 Stainless steel and ceramic magnet
<b>O-Ring Material</b>	Buna N – standard Viton – optional Ethylene propylene – optional
<b>Process Connection</b>	1/4" NPT Female, back connection – standard 1/4" NPT Female, top & bottom – optional
<b>Accuracy</b>	±2% Full Scale for ranges 0 psid to 15 psid & above ±5% Full Scale for ranges below 0 psid to 15 psid
<b>Dial</b>	Aluminum, white background with black markings.
<b>Pointer</b>	Balanced aluminum, black finish
<b>Gauge Fill Fluid</b>	Glycerine – optional Others available – please consult factory
<b>Operating Temp.</b>	-40°F to 200°F (-40°C to 93°C)
<b>Ranges</b>	0 to 50 inH <sub>2</sub> O through 0 psid to 100 psid
<b>Max. Working Static Pressure</b>	3000 psig – 316L Stainless steel and aluminum housing 1500 psig – brass housing

### APPLICATIONS

- Filters
- Flow indicators
- Heat exchangers
- Back flow restrictors
- Hydraulic and pneumatic systems
- Water treatment systems
- Pumps and compressors
- Industrial machinery and machine tools

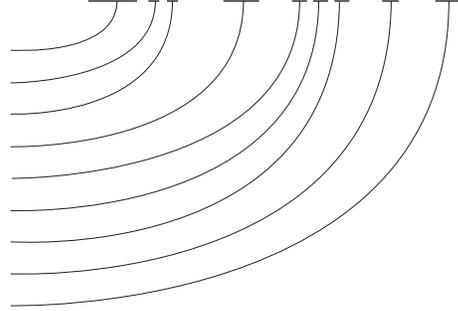
ORDERING INFORMATION						
<b>GAUGE SIZE &amp; SERIES</b>	<b>25 - 11</b>	2-1/2 Inch	<b>45 - 11</b>	4-1/2 Inch		
<b>CONNECTION LOCATION</b>	<b>0</b>	Top & bottom	<b>1</b>	Back		
<b>CONNECTION SIZE</b>	<b>2</b>	1/4" NPT female				
<b>PRESSURE RANGE</b>	<b>W50</b>	0 to 50 inH <sub>2</sub> O	<b>W300</b>	0 to 300 inH <sub>2</sub> O	<b>P15</b>	0 to 15 psid
	<b>W75</b>	0 to 75 inH <sub>2</sub> O	<b>W400</b>	0 to 400 inH <sub>2</sub> O	<b>P25</b>	0 to 25 psid
	<b>W100</b>	0 to 100 inH <sub>2</sub> O	<b>P5</b>	0 to 5 psid	<b>P30</b>	0 to 30 psid
	<b>W200</b>	0 to 200 inH <sub>2</sub> O	<b>P10</b>	0 to 10 psid	<b>P50</b>	0 to 50 psid
<b>SENSOR HOUSING MATERIAL</b>	<b>A</b>	Aluminum, black	<b>B</b>	Brass		
	<b>S</b>	316L Stainless steel				
<b>O-RING MATERIAL</b>	<b>2</b>	Viton	<b>3</b>	Buna N	<b>4</b>	Ethylene propylene
<b>CASE MATERIAL</b>	<b>P</b>	Thermoplastic				
<b>LENS</b>	<b>1</b>	Acrylic	<b>2</b>	Safety Glass	<b>3</b>	Acrylic with MIP
<b>FILL FLUID (optional)</b>	<b>GY</b>	Glycerine	<b>SL</b>	Silicone	<b>HL</b>	Halocarbon

Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

**EXAMPLE**

**Gauge Size & Series** 2-1/2 Inch – Series 1100  
**Connection Location** Back  
**Connection Size** 1/4" NPT female  
**Pressure Range** 0 psid to 75 psid  
**Sensor Housing Material** Aluminum, black  
**O-Ring Material** Viton  
**Case Material** Thermoplastic  
**Lens** Acrylic  
**Fill Fluid (optional)** Glycerine

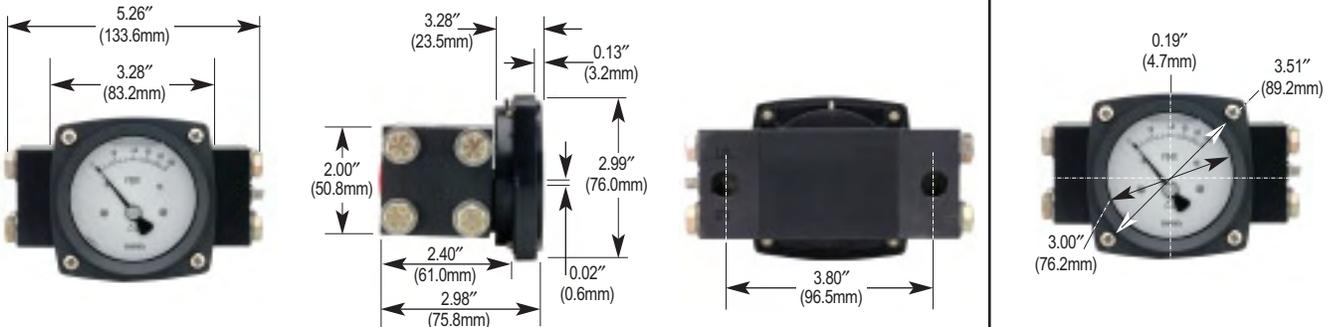
**25-11 1 2 - P75 - A 2 P - 1 - GY**



**OUTLINE DIMENSIONS**

**PANEL CUT-OUT DIMENSIONS**

**2-1/2 Inch Gauge**



**4-1/2 Inch Gauge**

