

## Duplex Gauges Type 1038, 1339 ASME B40.100 Grade A ( $\pm 2-1-2\%$ of span)

- Available in 3½" and 4½" dial sizes
- Bronze Bourdon tube and brass sockets
- Two independent systems and movements
- Non-adjustable red and black pointers

The Ashcroft® Type 1038 duplex gauge is used to display two separate input pressures on the same gauge for comparison purposes.



### STANDARD RANGES

#### Type 1038/1339

##### Pressure (psi)

| Range  | Figure Interval | Minor Graduation |
|--------|-----------------|------------------|
| 0/30   | 5               | 0.5              |
| 0/60   | 5               | 1                |
| 0/100  | 10              | 1                |
| 0/160  | 20              | 2                |
| 0/200  | 20              | 2                |
| 0/300  | 30              | 5                |
| 0/600  | 50              | 10               |
| 0/800  | 100             | 10               |
| 0/1000 | 100             | 10               |

#### Type 1038/1339 Compound

| Range            | Figure Interval |     | Minor Graduation |     |
|------------------|-----------------|-----|------------------|-----|
|                  | Inches Mercury  | psi | Inches Mercury   | psi |
| 30 in.Hg/15 psi  | 5               | 3   | 1                | 0.5 |
| 30 in.Hg/30 psi  | 10              | 5   | 1                | 0.5 |
| 30 in.Hg/60 psi  | 10              | 10  | 1                | 1   |
| 30 in.Hg/100 psi | 10              | 10  | 1                | 1   |
| 30 in.Hg/150 psi | 10              | 20  | 2                | 2   |
| 30 in.Hg/300 psi | 30              | 25  | 5                | 5   |

### CASE TYPE

| Gauge Type Number | Dial Size (inches) | Case & Ring Material Finish   | Bourdon Tube & Tip Material  | Socket Material | Pressure Range (psi) | Pointer                      | Movement      | NPT Conn.         |
|-------------------|--------------------|---|--|-----------------|----------------------|------------------------------|---------------|-------------------|
| DUPLEX 1038A      | 3½, 4½             | Case: 3½", 4½" aluminum<br>Ring: Threaded aluminum All black epoxy coated | Phosphor Bronze<br>Tip: Brass (all joints silver brazed, soldered below 100 psi) | Brass           | 30/1000              | Non Adjustable Black and Red | Bronze-bushed | ¼                 |
| DUPLEX 1339A      | 4½                 | Case: Aluminum<br>Ring: Hinged Aluminum All black epoxy coated            | Phosphor Bronze<br>Tip: Brass (all joints silver brazed soldered below 100 psi)  | Brass           | 30/1000              | Non Adjustable Black and Red | Bronze-bushed | ¼ Back Conn. only |

### CASE TYPE

| RANGE              |          | DIAL GRADUATIONS |                  | RANGE            |                 | DIAL GRADUATIONS |           | Outer Range When Dual Range Specified psi |
|--------------------|----------|------------------|------------------|------------------|-----------------|------------------|-----------|---|
| kg/cm <sup>2</sup> | bar      | Figure Interval  | Minor Graduation | kPa (kilopascal) | Figure Interval | Minor Graduation |           |   |
| <b>Pressure</b>    |          |                  |                  |                  |                 |                  |           |   |
| 0/2.5              | 0/2.5    | 0.5              | 0.05             | 0/250            | 50              | 5                | 0/35      |   |
| 0/4                | 0/4      | 0.5              | 0.05             | 0/400            | 50              | 5                | 0/55      |   |
| 0/6                | 0/6      | 0.5              | 0.05             | 0/400            | 50              | 5                | 0/85      |   |
| 0/10               | 0/10     | 1                | 0.1              | 0/1000           | 100             | 10               | 0/140     |   |
| 0/16               | 0/16     | 2                | 0.2              | 0/1600           | 200             | 20               | 0/220     |   |
| 0/25               | 0/25     | 5                | 0.5              | 0/2500           | 500             | 50               | 0/350     |   |
| 0/40               | 0/40     | 5                | 0.5              | 0/4000           | 500             | 50               | 0/550     |   |
| 0/60               | 0/60     | 5                | 1                | 0/6000           | 500             | 100              | 0/850     |   |
| <b>Compound</b>    |          |                  |                  |                  |                 |                  |           |   |
| -1/1.5             | -1/0/1.5 | 0.5              | 0.05             | -100/150         | 50              | 5                | 30"Hg/20  |   |
| -1/3               | -1/0/3   | 0.5              | 0.05             | -100/300         | 50              | 5                | 30"Hg/40  |   |
| -1/5               | -1/0/5   | 0.5              | 0.1              | -100/500         | 50              | 10               | 30"Hg/70  |   |
| -1/9               | -1/0/9   | 1                | 0.1              | -100/900         | 100             | 10               | 30"Hg/125 |   |
| -1/15              | -1/0/15  | 1                | 0.1              | -100/1500        | 200             | 20               | 30"Hg/215 |   |
| -1/24              | -1/0/24  | 2                | 0.2              | -100/2400        | 500             | 20               | 30"Hg/340 |   |

### TO ORDER THIS 1038, 1339 DUPLEX GAUGES:

Select: \_\_\_\_\_ 45 \_\_\_\_\_ 1038 A \_\_\_\_\_ 02L \_\_\_\_\_ XXX \_\_\_\_\_ 1000#

- Dial size—3½" and 4½" \_\_\_\_\_
- Case type—1038, 1339 \_\_\_\_\_
- Tube and socket material \_\_\_\_\_
- Connection size—¼ (02) \_\_\_\_\_
- Connection location—Lower (L), Back (B) \_\_\_\_\_
- Optional features \_\_\_\_\_
- Standard pressure range—1000 psi \_\_\_\_\_

**Differential Pressure Gauges  
Types 1125, 1125A  
ASME B40.100  
Grade A (±2-1-2% of span)**

- Available in 4½" and 6" dial sizes
- Aluminum cases
- Bronze Bourdon tube and socket
- Ranges through 1000 psi
- Micrometer-adjustable pointer
- Available with electric contacts
- Static pressures from 30-1500 psi depending on the range of gauge
- Pointer indicator with zero at seven o'clock (1125) or twelve o'clock position (1125A)
- Built-in back case flange for easy wall mounting

The Ashcroft® differential pressure gauge is an economical way to display the difference of two separate inputs on one dial indicator. The case style is similar to other Ashcroft gauges, making panel gauge consistency possible. This product is supplied with bronze Bourdon tube and socket.



**STANDARD RANGES**

Type 1125 (210° dial arc)  
Pressure (psi)

| Range  | Figure Interval | Minor Graduation | Static Pressure Limits* |
|--------|-----------------|------------------|-------------------------|
| 0/20   | 5               | 0.2              | 30                      |
| 0/30   | 5               | 0.5              | 60                      |
| 0/60   | 10              | 1                | 120                     |
| 0/100  | 10              | 1                | 200                     |
| 0/160  | 20              | 2                | 300                     |
| 0/200  | 20              | 2                | 300                     |
| 0/300  | 50              | 5                | 450                     |
| 0/400  | 50              | 5                | 600                     |
| 0/600  | 100             | 10               | 900                     |
| 0/800  | 100             | 10               | 1200                    |
| 0/1000 | 100             | 10               | 1500                    |

\*Maximum pressure that can be admitted into Bourdon tubes.

Type 1125A (210° dial arc) Zero centered dial  
Pressure (psi)

| Range   | Figure Interval | Minor Graduation | Static Pressure Limits* |
|---------|-----------------|------------------|-------------------------|
| 10/10   | 2               | 0.2              | 30                      |
| 15/15   | 5               | 0.5              | 60                      |
| 30/30   | 10              | 1                | 120                     |
| 50/50   | 10              | 1                | 200                     |
| 80/80   | 20              | 2                | 300                     |
| 100/100 | 20              | 2                | 300                     |
| 150/150 | 50              | 5                | 450                     |
| 200/200 | 50              | 5                | 600                     |
| 300/300 | 100             | 10               | 900                     |
| 400/400 | 100             | 10               | 1200                    |
| 500/500 | 100             | 10               | 1500                    |

\*Maximum pressure that can be admitted into Bourdon tubes.

**CASE TYPE**

| Gauge Type Number       | Dial Size (inches)    | Case & Ring Material Finish   | Bourdon Tube & Tip Material                              | Socket Material | Pressure Range (psi)                     | Pointer               | Movement                                   | NPT Connection |
|-------------------------|-----------------------|---|--|-----------------|--|-----------------------|--|----------------|
| DIFFERENTIAL 1125 1125A | 4½, 6" <sup>(1)</sup> | Case: Aluminum<br>Ring: Threaded aluminum<br>All black epoxy coated | Phosphor Bronze<br>Tip: Brass (all joints silver brazed) | Bronze          | 1125: 20/1000<br>1125A 10/0/10 500/0/500 | Micrometer Adjustable | Bronze-bushed Overload & Vacuum Stops-Std. | ¼              |

1125A dial indicates zero at 12:00 (1) 6" lower connect only.

**METRIC RANGES**

|           | PRESSURE RANGE     |         | DIAL GRADUATIONS |                  | RANGE     | DIAL GRADUATIONS |                 | Outer Range When Dual Range Specified psi |
|-----------|--------------------|---------|------------------|------------------|-----------|------------------|-----------------|---|
|           | kg/cm <sup>2</sup> | bar     | Figure Interval  | Minor Graduation |           | kPa (kilopascal) | Figure Interval |   |
| Type 1125 | 0/1.4              | 0/1.4   | 0.2              | 0.02             | 0/140     | 20               | 2               | 0/20                                      |
|           | 0/2                | 0/2     | 0.5              | 0.05             | 0/200     | 50               | 5               | 0/28                                      |
|           | 0/4                | 0/4     | 0.5              | 0.05             | 0/400     | 50               | 5               | 0/55                                      |
|           | 0/7                | 0/7     | 0.5              | 0.1              | 0/400     | 50               | 10              | 0/100                                     |
|           | 0/11               | 0/11    | 2                | 0.2              | 0/1100    | 200              | 20              | 0/160                                     |
|           | 0/14               | 0/14    | 2                | 0.2              | 0/1400    | 200              | 20              | 0/200                                     |
|           | 0/20               | 0/20    | 5                | 0.5              | 0/2000    | 250              | 50              | 0/300                                     |
|           | 0/28               | 0/28    | 5                | 0.5              | 0/2800    | 500              | 50              | 0/400                                     |
|           | 0/40               | 0/40    | 5                | 0.5              | 0/4000    | 500              | 50              | 0/600                                     |
|           | 0/56               | 0/56    | 10               | 1                | 0/5600    | 1000             | 100             | 0/800                                     |
|           | 0/70               | 0/70    | 10               | 1                | 0/7000    | 1000             | 100             | 0/1000                                    |
|           | Type 1125A         | 0.7/0.7 | 0.7/0.7          | 0.2              | 0.02      | 70/70            | 20              | 2   |
| 1/1       |                    | 1/1     | 0.5              | 0.05             | 100/100   | 50               | 5               | 14/14                                     |
| 2/2       |                    | 2/2     | 0.5              | 0.05             | 200/200   | 50               | 5               | 28/28                                     |
| 3.5/3.5   |                    | 3.5/3.5 | 0.5              | 0.1              | 350/350   | 50               | 10              | 50/50                                     |
| 5.5/5.5   |                    | 5.5/5.5 | 2                | 0.2              | 550/550   | 200              | 20              | 80/80                                     |
| 7/7       |                    | 7/7     | 2                | 0.2              | 700/700   | 200              | 20              | 100/100                                   |
| 10/10     |                    | 10/10   | 5                | 0.5              | 1000/1000 | 250              | 50              | 150/150                                   |
| 14/14     |                    | 14/14   | 5                | 0.5              | 1400/1400 | 500              | 50              | 200/200                                   |
| 20/20     |                    | 20/20   | 5                | 0.5              | 2000/2000 | 500              | 50              | 400/400                                   |
| 28/28     |                    | 28/28   | 10               | 1                | 2800/2800 | 1000             | 100             | 400/400                                   |
| 35/35     |                    | 35/35   | 10               | 1                | 3500/3500 | 1000             | 100             | 500/500                                   |

**TO ORDER THESE 1125, 1125A DIFFERENTIAL GAUGES:**

Select: \_\_\_\_\_ 45      1125      02L      XXX      1000#

- Dial size—4½", 6" \_\_\_\_\_
- Case type—1125, 1125A \_\_\_\_\_
- Connection size—¼ (02) \_\_\_\_\_
- Connection location—Lower (L), Back (B) \_\_\_\_\_
- Optional features \_\_\_\_\_
- Standard pressure range—1000 psi \_\_\_\_\_

Consult factory for guidance in product selection  
Phone (203) 378-8281 or visit our  
web site at [www.ashcroft.com](http://www.ashcroft.com)

**Differential Pressure Gauges  
Types 1127, 1128  
ASME B40.100  
Grade A ( $\pm 2-1-2\%$  of span)**

- 316 stainless steel wetted parts
- Available in 4½" or 6" dial sizes
- Ranges from 10 psi-1000 psi
- Static pressures from 45 psi-1200 psi depending on the range of the gauge
- Pointer indicator with zero at seven (1127) or twelve o'clock position (1128)
- Built-in back case flange for easy wall mounting
- Lower connect only

When the process is corrosive to gauges with bronze/brass wetted parts an alternative was to isolate the gauge from the process with capillary and isolators or diaphragm seals. Now, when the process is compatible with 316 stainless steel, the user can select Types 1127 or 1128 differential pressure gauges with 4½" or 6" dials.



**STANDARD RANGES**

Type 1127 (270° dial arc)

| Pressure Range (psi) | Figure Interval | Minor Graduation | Static Pressure Limits* |
|----------------------|-----------------|------------------|-------------------------|
| 0/10                 | 5               | 0.2              | 45                      |
| 0/20                 | 5               | 0.2              | 45                      |
| 0/30                 | 5               | 0.5              | 45                      |
| 0/60                 | 10              | 1                | 90                      |
| 0/100                | 10              | 1                | 130                     |
| 0/160                | 20              | 2                | 208                     |
| 0/200                | 20              | 2                | 260                     |
| 0/300                | 50              | 5                | 390                     |
| 0/400                | 50              | 5                | 520                     |
| 0/600                | 100             | 10               | 780                     |
| 0/800                | 100             | 10               | 1040                    |
| 0/1000               | 100             | 10               | 1200                    |

\*Maximum pressure that can be admitted into Bourdon tubes.

Type 1128 (270° dial arc) Zero centered dial

| Pressure Range (psi) | Figure Interval | Minor Graduation | Static Pressure Limits* |
|----------------------|-----------------|------------------|-------------------------|
| 10/0/10              | 2               | 0.5              | 45                      |
| 15/0/15              | 3               | 0.2              | 45                      |
| 30/0/30              | 5               | 1                | 90                      |
| 50/0/50              | 10              | 1                | 130                     |
| 100/0/100            | 20              | 2                | 260                     |
| 200/0/200            | 50              | 5                | 520                     |
| 300/0/300            | 100             | 10               | 780                     |
| 400/0/400            | 100             | 10               | 1040                    |

\*Maximum pressure that can be admitted into Bourdon tubes.

**METRIC RANGES**

Type 1127 (270° dial arc)

| PRESSURE RANGE     |      | DIAL GRADUATIONS |                  |
|--------------------|------|------------------|------------------|
| kg/cm <sup>2</sup> | bar  | Figure Interval  | Minor Graduation |
| 0/1                | 0/1  | 0.2              | 0.02             |
| 0/2                | 0/2  | 0.5              | 0.05             |
| 0/4                | 0/4  | 0.5              | 0.05             |
| 0/7                | 0/7  | 0.5              | 0.05             |
| 0/11               | 0/11 | 2                | 0.2              |
| 0/14               | 0/14 | 2                | 0.2              |
| 0/21               | 0/21 | 5                | 0.5              |
| 0/28               | 0/28 | 5                | 0.5              |
| 0/42               | 0/42 | 5                | 0.5              |
| 0/56               | 0/56 | 10               | 1                |
| 0/70               | 0/70 | 10               | 1                |

Type 1128 (210° dial arc) Zero centered dial

| PRESSURE RANGE     |             | DIAL GRADUATIONS |                  |
|--------------------|-------------|------------------|------------------|
| kg/cm <sup>2</sup> | bar         | Figure Interval  | Minor Graduation |
| 1/0/1              | 1/0/1       | 0.5              | 0.05             |
| 2/0/2              | 2/0/2       | 0.1              | 0.01             |
| 3.5/0/3.5          | 3.5/0/3.5   | 0.5              | 0.1              |
| 5.5/0/5.5          | 5.5/0/5.5   | 2                | 0.2              |
| 7/0/7              | 7/0/7       | 2                | 0.2              |
| 10.5/0/10.5        | 10.5/0/10.5 | 5                | 0.5              |
| 14/0/14            | 14/0/14     | 5                | 0.5              |
| 21/0/21            | 21/0/21     | 5                | 0.5              |
| 28/0/28            | 28/0/28     | 10               | 1                |
| 35/0/35            | 35/0/35     | 10               | 1                |

**CASE TYPE – Differential 1127, 1128**

| Dial Size (inches)   | Case & Ring Material Finish   | Bourdon Tube & Tip Material                    | Socket Material           |
|----------------------|---|--|---------------------------|
| 4½, 6                | Case: Aluminum<br>Ring: Threaded aluminum<br>All black epoxy coated | 316 stainless steel                            | 316 stainless steel       |
| Pressure Range (psi) | Pointer   | Movement                                       | NPT Connection            |
| 10/1000              | Adjustable  | Bronze-brushed<br>Overload & Vacuum Stops-Std. | ¼ or ½ lower connect only |

**TO ORDER THESE 1127, 1128 DIFFERENTIAL PRESSURE GAUGES:**

Select: \_\_\_\_\_ 45      1127      SD      02L      XXX      100#

1. Dial size—4½", 6" \_\_\_\_\_
2. Case type—1127, 1128 \_\_\_\_\_
3. Tube and socket material—(SD) Stainless \_\_\_\_\_
4. Connection size—¼ (02) \_\_\_\_\_
5. Connection location—Lower (L) \_\_\_\_\_
6. Optional features \_\_\_\_\_
7. Standard pressure range—1000 psi \_\_\_\_\_

Consult factory for guidance in product selection  
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web site at [www.ashcroft.com](http://www.ashcroft.com)

- **Piston actuator**
- **Stainless steel case**
- **Ranges from 5 psid-150 psid**
- **Static pressures up to 6000 psi<sup>(5)</sup>**
- **Aluminum<sup>(4)</sup>, brass or stainless steel bodies<sup>(1)</sup>**
- **Buna-N O-rings (others available)**
- **Superior magnets for smoother pointer motion**
- **Standard or explosion-proof reed switches available**
- **5-year warranty**
- **NEMA 4 / IP65**

The Type 1130 uses a piston design where small migration of the process media is permissible.<sup>(2)</sup> It is recommended for high differential and high static pressures, up to 6000 psi. Body materials are available in Aluminum, Brass and Stainless Steel, with Buna, Viton or EPDM seals.<sup>(3)</sup>

- (1), (2) Not for use with incompatible media.
- (3) Other wetted parts include stainless steel, Teflon and ceramic.
- (4) Aluminum bodies not to be used with water or corrosive applications.
- (5) Static pressure over 3000 psi in SS only.



| SPECIFICATIONS              | Type 1130   |
|-----------------------------|---|
| Accuracy (Ascending)        | ±2%   |
| Migration                   | Minor   |
| Range Limits                | 0-5 psid to 150 psid                                    |
| Maximum Static Pressure     | 3000 psi (6000 psi for SS)                              |
| Actuator                    | Piston  |
| Case Material               | Stainless Steel   |
| Dial Size                   | 2" (20), 2½" (25), 3½" (35), 4" (40), 4½" (45), 6" (60) |
| Maximum Process Temperature | 175°F / 80°C  |
| Body Materials              | Aluminum (F), Brass (A), Stainless Steel (S)            |
| O-Rings                     | Buna-N  |
| Connection Size (Female)    | ¼ NPT (25)  |
| Connection Location         | In-Line (S), Lower (L), Back (B)                        |
| Window                      | Glass   |
| Warranty                    | Five Years  |

| OPTIONS                          |                          |
|----------------------------------|--------------------------|
| ¼ NPT Female Adapter (XGE)       | Available                |
| Switches <sup>(1,2)</sup> NEMA-4 | Available                |
| Front Flange (XFF)               | Available                |
| Viton Diaphragm/O-Rings (XVD)    | Available                |
| EPDM Diaphragm/O-Rings (XEM)     | Available                |
| Glycerin Fill (L)*               | Standard Fill Option     |
| Silicone Fill (XGV)              | Available                |
| Plastic Window (XPD)             | Available                |
| Explosion Proof (XEK)            | Available <sup>(3)</sup> |
| Safety Glass (XSG) 3½"-6" only   | Available                |

\*Liquid fill has an effect on accuracy that varies with range and temperature. Liquid filling may be required only in some very severe applications.

- (1) Applicable to Switches  
 (XV1) 1 SPST with DIN Plug (XV5) 1 SPDT with DIN Plug  
 (XV2) 1 SPST with Terminal Strip (XV6) 1 SPDT with Terminal Strip  
 (XV3) 2 SPST with DIN Plug (XV7) 2 SPDT with DIN Plug  
 (XV4) 2 SPST with Terminal Strip (XV8) 2 SPDT with Terminal Strip
- (2) Adjustable from 40-100% of range
- (3) Specify lower or back connection for gauge (not available in-line or with 2"-2½" dials) and switch type (terminal strip) XV2, XV4, XV6, XV8.

**TO ORDER THIS 1130 DIFFERENTIAL PRESSURE GAUGES:**

Select: \_\_\_\_\_

1. Dial size—2", 2½", 3½", 4", 4½", 6" \_\_\_\_\_ **25** **1130**

2. Case type—1130 \_\_\_\_\_ **F**

3. Body material \_\_\_\_\_ **D**

4. Dry (D) or Liquid Filled (L) \_\_\_\_\_ **25S**

5. Connection size—¼ NPTF (25) \_\_\_\_\_ **XXX**

6. Connection location—In-line (S), Lower (L), Back (B) \_\_\_\_\_ **30#**

7. Optional features—see above \_\_\_\_\_

8. Standard pressure range \_\_\_\_\_

**RATINGS FOR BOTH STANDARD & EXPLOSION PROOF SWITCHES:**

**SPST SWITCH**

**Specifications:**  
 Contact Rating  
 10 VA ac (rms) or dc (max)  
 Switching Current  
 0.5 Amp ac (rms) or dc (max)  
 Switch Voltage  
 100 Vac/Vdc (max)

**SPDT SWITCH**

**Specifications:**  
 Contact Rating  
 3 VA ac (rms) or dc (max)  
 Switching Current  
 .3 Amp ac (rms) or dc (max)  
 Switch Voltage  
 30 Vac/Vdc (max)

**EXPLOSION-PROOF SWITCH INFORMATION:**

Switches and electrical connections are mounted in an explosion-proof enclosure with UL, CSA, Cenelec and FM approval. The enclosure meets Class 1, Groups B, C, D, Class 2 Groups E, F, G, Class 3, NEMA 7 & 9 and IP 66. Two ¾" electrical conduit connections.

**STANDARD RANGES – Type 1130**

|                         |        |      |       |        |       |       |       |       |        |
|-------------------------|--------|------|-------|--------|-------|-------|-------|-------|--------|
| psi                     |        | 0-5  | 0-8   | 0-10   | 0-15  | 0-20  | 0-25  | 0-30  |        |
| kPa                     | 0-25   |      | 0-50  | 0-75   | 0-100 |       | 0-160 | 0-200 | 0-250  |
| kg/cm <sup>2</sup> -bar | 0-0.25 |      | 0-0.5 | 0-0.75 | 0-1   |       | 0-1.6 | 0-2   | 0-2.5  |
| psi                     | 0-40   | 0-50 | 0-60  |        | 0-80  |       | 0-100 |       | 150    |
| kPa                     | 0-300  |      | 0-400 | 0-500  |       | 0-600 | 0-700 | 0-900 | 0-1000 |
| kg/cm <sup>2</sup> -bar | 0-3    |      | 0-4   | 0-5    |       | 0-6   | 0-7   | 0-9   | 0-10   |

- **Rolling diaphragm actuator**
- **Stainless steel case**
- **Ranges from 5 psid-100 psid**
- **Static pressures up to 3000 psi**
- **Aluminum<sup>(3)</sup>, brass or stainless steel bodies<sup>(1)</sup>**
- **Buna-N O-rings (others available)**
- **Superior magnets for smoother power motion**
- **Standard or explosion-proof reed switches available**
- **5-year warranty**
- **NEMA 4 / IP65**

The Type 1131 is utilized for applications where migration of the process media is not permissible. The Type 1131 uses a rolling diaphragm design to separate the high and low-pressure ports to isolate the media and can see up to 3000 psi static pressures. Rolling diaphragm not designed to see reverse pressure. Body materials are available in Aluminum, Brass and Stainless Steel, with Buna, Viton or EPDM seals.<sup>(2)</sup>

- (1) Not for use with incompatible media.  
 (2) Other wetted parts include stainless steel, Teflon and ceramic.  
 (3) Aluminum bodies not to be used with water or corrosive applications.



| SPECIFICATIONS              | Type 1131  |
|-----------------------------|--|
| Accuracy (Ascending)        | ±2%  |
| Migration                   | Zero   |
| Range Limits                | 0-5 psid to 100 psid                                 |
| Maximum Static Pressure     | 3000 psi (all)                                       |
| Actuator                    | Rolling Diaphragm                                    |
| Case Material               | Stainless Steel                                      |
| Dial Size                   | 2½" (25), 3½" (35),<br>4" (40), 4½" (45),<br>6" (60) |
| Maximum Process Temperature | 175°F / 80°C   |
| Body Materials              | Aluminum (F), Brass (A),<br>Stainless Steel (S)      |
| Diaphragm/O-Rings           | Buna-N   |
| Connection Size (Female)    | ¼ NPT (25)   |
| Connection Location         | In-Line (S), Lower (L)<br>Back (B)                   |
| Window                      | Glass  |
| Warranty                    | Five Years   |

| OPTIONS                          |                          |
|----------------------------------|--------------------------|
| ¼ NPT Female Adapter (XGE)       | Available                |
| Switches <sup>(1,2)</sup> NEMA-4 | Available                |
| Front Flange (XFF)               | Available                |
| Viton Diaphragm/O-Rings (XVD)    | Available                |
| EPDM Diaphragm/O-Rings (XEM)     | Available                |
| Glycerin Fill (L)*               | Standard Fill Option     |
| Silicone Fill (XGV)              | Available                |
| Plastic Window (XPD)             | Available                |
| Explosion Proof (XEK)            | Available <sup>(3)</sup> |
| Safety Glass (XSG) 3½"-6" only   | Available                |

\*Liquid fill has an effect on accuracy that varies with range and temperature. Liquid filling may be required only in some very severe applications.

- (1) Applicable to Switches  
 (XV1) 1 SPST with DIN Plug (XV5) 1 SPDT with DIN Plug  
 (XV2) 1 SPST with Terminal Strip (XV6) 1 SPDT with Terminal Strip  
 (XV3) 2 SPST with DIN Plug (XV7) 2 SPDT with DIN Plug  
 (XV4) 2 SPST with Terminal Strip (XV8) 2 SPDT with Terminal Strip

(2) Adjustable from 40-100% of range

(3) Specify lower or back connection for gauge (not available in-line or with 2"-2½" dials) and switch type (terminal strip) XV2, XV4, XV6, XV8.

#### TO ORDER THIS 1131 DIFFERENTIAL PRESSURE GAUGES:

Select: \_\_\_\_\_ 25 1131 F D 25S XXX 30#

- Dial size—2½", 3½", 4", 4½", 6" \_\_\_\_\_
- Case type—1131 \_\_\_\_\_
- Body material \_\_\_\_\_
- Dry (D) or Liquid Filled (L) \_\_\_\_\_
- Connection size—¼ NPTF (25) \_\_\_\_\_
- Connection location—In-line (S), Lower (L), Back (B) \_\_\_\_\_
- Optional features—see above \_\_\_\_\_
- Standard pressure range \_\_\_\_\_

#### RATINGS FOR BOTH STANDARD & EXPLOSION PROOF SWITCHES:

##### SPST SWITCH

##### Specifications:

Contact Rating  
10 VA ac (rms) or dc (max)  
 Switching Current  
0.5 Amp ac (rms) or dc (max)  
 Switch Voltage  
100 Vac/Vdc (max)

##### SPDT SWITCH

##### Specifications:

Contact Rating  
3 VA ac (rms) or dc (max)  
 Switching Current  
.3 Amp ac (rms) or dc (max)  
 Switch Voltage  
30 Vac/Vdc (max)

#### EXPLOSION-PROOF SWITCH INFORMATION:

Switches and electrical connections are mounted in an explosion-proof enclosure with UL, CSA, Cenelec and FM approval. The enclosure meets Class 1, Groups B, C, D, Class 2 Groups E, F, G, Class 3, NEMA 7 & 9 and IP 66. Two ¾" electrical conduit connections.

#### STANDARD RANGES – Type 1131

|                         |        |     |       |        |       |      |       |       |      |       |       |
|-------------------------|--------|-----|-------|--------|-------|------|-------|-------|------|-------|-------|
| psi                     |        | 0-5 | 0-7   | 0-10   | 0-15  | 0-25 | 0-30  |       | 0-40 | 0-60  | 0-100 |
| kPa                     | 0-25   |     | 0-50  | 0-75   | 0-100 |      | 0-200 | 0-250 |      | 0-400 | 0-700 |
| kg/cm <sup>2</sup> -bar | 0-0.25 |     | 0-0.5 | 0-0.75 | 0-1   |      | 0-2   | 0-2.5 |      | 0-4   | 0-7   |

- **Small convoluted diaphragm actuator**
- **Stainless steel case**
- **Ranges from 1 psid-60 psid**
- **Static pressures up to 1500 psi**
- **Aluminum<sup>(3)</sup>, brass or stainless steel bodies<sup>(1)</sup>**
- **Buna-N seals (others available)**
- **Superior magnets for smoother power motion**
- **Standard or explosion-proof reed switches available**
- **5-year warranty**
- **NEMA 4 / IP65**

The Type 1132 uses a convoluted-diaphragm design with no migration of the process media. It is recommended for lower differential and high static pressures, up to 1500 psi. Body materials are available in Aluminum, Brass and Stainless Steel, with Buna, Viton or EPDM seals.<sup>(2)</sup>

- (1) Not for use with incompatible media.  
 (2) Other wetted parts include stainless steel, Teflon and ceramic.  
 (3) Aluminum bodies not to be used with water or corrosive applications.



| SPECIFICATIONS              | Type 1132  |
|-----------------------------|--|
| Accuracy (Ascending)        | ±2%  |
| Migration                   | Zero   |
| Range Limits                | 0-1 psid to 60 psid                                  |
| Maximum Static Pressure     | 1500 psi (all)                                       |
| Actuator                    | Convoluted Diaphragm                                 |
| Case Material               | Stainless Steel                                      |
| Dial Size                   | 2½" (25), 3½" (35),<br>4" (40), 4½" (45),<br>6" (60) |
| Maximum Process Temperature | 175°F / 80°C   |
| Body Materials              | Aluminum (F), Brass (A),<br>Stainless Steel (S)      |
| Diaphragm/O-Rings           | Buna-N   |
| Connection Size (Female)    | ¼ NPT (25)   |
| Connection Location         | In-Line (S), Lower (L)<br>Back (B)                   |
| Window                      | Glass  |
| Warranty                    | Five Years   |

| OPTIONS                          |                          |
|----------------------------------|--------------------------|
| ¼ NPT Female Adapter (XGE)       | Available                |
| Switches <sup>(1,2)</sup> NEMA-4 | Available                |
| Front Flange (XFF)               | Available                |
| Viton Diaphragm/O-Rings (XVD)    | Available                |
| EPDM Diaphragm/O-Rings (XEM)     | Available                |
| Glycerin Fill (L)*               | Standard Fill Option     |
| Silicone Fill (XGV)              | Available                |
| Plastic Window (XPD)             | Available                |
| Explosion Proof (XEK)            | Available <sup>(3)</sup> |
| Safety Glass (XSG) 3½"-6" only   | Available                |

\*Liquid fill has an effect on accuracy that varies with range and temperature. Liquid filling may be required only in some very severe applications.

- (1) Applicable to Switches  
 (XV1) 1 SPST with DIN Plug (XV5) 1 SPDT with DIN Plug  
 (XV2) 1 SPST with Terminal Strip (XV6) 1 SPDT with Terminal Strip  
 (XV3) 2 SPST with DIN Plug (XV7) 2 SPDT with DIN Plug  
 (XV4) 2 SPST with Terminal Strip (XV8) 2 SPDT with Terminal Strip

- (2) Adjustable from 40-100% of range  
 (3) Specify lower or back connection for gauge (not available in-line or with 2"-2½" dials) and switch type (terminal strip) XV2, XV4, XV6, XV8.

**TO ORDER THIS 1132 DIFFERENTIAL PRESSURE GAUGES:**

**Select:**

1. Dial size—2½", 3½", 4", 4½", 6" \_\_\_\_\_ **25**

2. Case type—1132 \_\_\_\_\_ **1132**

3. Body material \_\_\_\_\_ **F**

4. Dry (D) or Liquid Filled (L) \_\_\_\_\_ **D**

5. Connection size—¼ NPTF (25) \_\_\_\_\_ **25S**

6. Connection location—In-line (S), Lower (L), Back (B) \_\_\_\_\_ **XXX**

7. Optional features—see above \_\_\_\_\_

8. Standard pressure range \_\_\_\_\_ **30#**

**RATINGS FOR BOTH STANDARD & EXPLOSION PROOF SWITCHES:**

**SPST SWITCH**

**Specifications:**  
 Contact Rating  
 10 VA ac (rms) or dc (max)  
 Switching Current  
 0.5 Amp ac (rms) or dc (max)  
 Switch Voltage  
 100 Vac/Vdc (max)

**SPDT SWITCH**

**Specifications:**  
 Contact Rating  
 3 VA ac (rms) or dc (max)  
 Switching Current  
 .3 Amp ac (rms) or dc (max)  
 Switch Voltage  
 30 Vac/Vdc (max)

**EXPLOSION-PROOF SWITCH INFORMATION:**

Switches and electrical connections are mounted in an explosion-proof enclosure with UL, CSA, Cenelec and FM approval. The enclosure meets Class 1, Groups B, C, D, Class 2 Groups E, F, G, Class 3, NEMA 7 & 9 and IP 66. Two ¾" electrical conduit connections.

**STANDARD RANGES – Type 1132**

| psi                     | 0-1     | 0-5    | 0-8   | 0-15   | 0-20  | 0-25  | 0-30  | 0-40  | 0-50  | 0-60  |
|-------------------------|---------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| in. H <sub>2</sub> O    | 0-25    | 0-100  | 0-200 | 0-400  | 0-500 |       |       |       |       |       |
| kPa                     |         | 0-25   | 0-50  | 0-75   | 0-100 | 0-160 | 0-200 | 0-250 | 0-300 | 0-400 |
| kg/cm <sup>2</sup> -bar | 0-0.075 | 0-0.25 | 0-0.5 | 0-0.75 | 0-1   | 0-1.6 | 0-2   | 0-2.5 | 0-3   | 0-4   |
| mbar                    | 0-75    | 0-250  |       |        |       |       |       |       |       |       |

- **Large convoluted diaphragm actuator**
- **Stainless steel case**
- **Ranges from 1 IWD-25 IWD**
- **Static pressures up to 500 psi**
- **Aluminum<sup>(3)</sup>, stainless steel bodies<sup>(1)</sup>**
- **Buna-N seals (others available)**
- **Superior magnets for smoother power motion**
- **Standard switches available**
- **5-year warranty**
- **NEMA 4 / IP65**

The Type 1133 uses a convoluted-diaphragm to sense low inches of water differentials while ensuring no migration of the process media. Maximum static pressures for ranges of 5 IWD and below is 45 psi and 500 psi for all other ranges. Body materials are available in Aluminum or Stainless Steel with Buna, Viton or EPDM seals.<sup>(2)</sup>

- (1) Not for use with incompatible media.  
 (2) Other wetted parts include stainless steel, Teflon and ceramic.  
 (3) Aluminum bodies not to be used with water or corrosive applications.



| SPECIFICATIONS              | Type 1133                               |
|-----------------------------|---|
| Accuracy (Ascending)        | ±2%                                     |
| Migration                   | Zero                                    |
| Range Limits                | 0-1 IWD to 25 IWD                       |
| Maximum Static Pressure     | 500 psi (all)                           |
| Actuator                    | Convoluted Diaphragm                    |
| Case Material               | Stainless Steel                         |
| Dial Size                   | 3½" (35), 4" (40),<br>4½" (45), 6" (60) |
| Maximum Process Temperature | 175°F / 80°C                            |
| Body Materials              | Aluminum (F), Stainless Steel (S)       |
| Diaphragm                   | Buna-N                                  |
| Connection Size (Female)    | ¼ NPT (25)                              |
| Connection Location         | In-Line (S), Lower (L), Back (B)        |
| Window                      | Glass                                   |
| Warranty                    | Five Years                              |

| OPTIONS                          |           |
|----------------------------------|-----------|
| ¼ NPT Female Adapter (XGE)       | Available |
| Switches <sup>(1,2)</sup> NEMA-4 | Available |
| Front Flange (XFF)               | Available |
| Viton/Diaphragm (XVD)            | Available |
| EPDM/Diaphragm (XEM)             | Available |
| Glycerin Fill (L)                | N/A       |
| Silicone Fill (XGV)              | N/A       |
| Plastic Window (XPD)             | Available |
| Explosion Proof (XEK)            | N/A       |
| Safety Glass (XSG) 3½"-6" only   | Available |

- (1) Applicable to Switches  
 (XV1) 1 SPST with DIN Plug (XV5) 1 SPDT with DIN Plug  
 (XV3) 2 SPST with DIN Plug (XV7) 2 SPDT with DIN Plug

(2) Adjustable from 40-100% of range

#### RATINGS FOR STANDARD SWITCHES:

##### SPST SWITCH

###### Specifications:

Contact Rating  
 10 VA ac (rms) or dc (max)  
 Switching Current  
 0.5 Amp ac (rms) or dc (max)  
 Switch Voltage  
 100 Vac/Vdc (max)

##### SPDT SWITCH

###### Specifications:

Contact Rating  
 3 VA ac (rms) or dc (max)  
 Switching Current  
 .3 Amp ac (rms) or dc (max)  
 Switch Voltage  
 30 Vac/Vdc (max)

#### STANDARD RANGES – Type 1133

|                      |      |      |       |       |       |
|----------------------|------|------|-------|-------|-------|
| in. H <sub>2</sub> O | 0-1  | 0-2  | 0-5   | 0-10  | 0-25  |
| mmH <sub>2</sub> O   | 0-25 | 0-50 | 0-125 | 0-250 | 0-600 |

#### TO ORDER THIS 1133 DIFFERENTIAL PRESSURE GAUGES:

Select:

1. Dial size—3½", 4", 4½", 6" \_\_\_\_\_ 35 1133 FD 25S XXX 10IWD

2. Case type—1133 \_\_\_\_\_

3. Body material \_\_\_\_\_

4. Connection size—¼ NPTF (25) \_\_\_\_\_

5. Connection location—In-line (S), Lower (L), Back (B) \_\_\_\_\_

6. Optional features—see above \_\_\_\_\_

7. Standard pressure range \_\_\_\_\_

## Differential Pressure Gauges Type 1134 ±3% Ascending Accuracy

- **Convolutd diaphragm actuator**
- **Stainless steel case**
- **Ranges from 0.6 IWD-60 IWD**
- **Static pressures up to 35 psi**
- **Glass filled nylon body<sup>(1)</sup>**
- **Buna-N seals (others available)**
- **Superior magnets for smoother power motion**
- **Low cost reed switches available**
- **5-year warranty**
- **Flush mounting accessories standard**
- **NEMA 4 / IP65**

The Type 1134 uses a convolutd-diaphragm design with no migration of the process media. It is recommended for low differential inches of water ranges. Body material is glass filled nylon with Buna or silicone.<sup>(2)</sup>

(1) Not for use with incompatible media.

(2) Other wetted parts include stainless steel, aluminum, Teflon and ceramic.



| SPECIFICATIONS                      | Type 1134                            |
|-------------------------------------|--------------------------------------|
| Dial Size                           | 4½" (114mm)                          |
| Accuracy (Ascending)                | 3%                                   |
| Range Limits                        | 0-0.6 IWD to 60 IWD                  |
| Maximum Static Pressure             | 35 psi                               |
| Case Material                       | Stainless Steel                      |
| Body Material                       | Glass Filled Nylon                   |
| Diaphragm Actuator Material         | Buna-N                               |
| O-Ring Material                     | Buna-N                               |
| Connection Size (Female)            | ½ NPT                                |
| Connection Location                 | Dual In-Line and Back (User chooses) |
| Window                              | Glass                                |
| Max. Process Temperature            | 140°F/60°C                           |
| Warranty                            | Five Years                           |
| OPTIONS                             |                                      |
| Switches <sup>(1)(2)</sup> (NEMA-4) | Available                            |
| (XPD) Plastic Window                | Available                            |
| (XBF) Surface Mount                 | Available                            |
| (XTM) Pipe Mounting Bracket         | Available                            |
| (XEM) EPDM Seals/O-Rings            | Available <sup>(3)</sup>             |

<sup>(1)</sup> Applicable to switches (NEMA-4)

(XV1) 1 SPST with DIN plug

(XV3) 2 SPST with DIN plug

(XV5) 1 SPDT with DIN plug

<sup>(2)</sup> Adjustable from 40-80% of range

<sup>(3)</sup> Only with ranges up to 4IW

| STANDARD RANGES                                   |             |             |
|---|-------------|-------------|
| Pressure -<br>Single Scale (in. H <sub>2</sub> O) |             |             |
| Range*  | Minor Grad. | First Grad. |
| 0/0.6   | .02         | 0.10        |
| 0/1   | .02         | .12         |
| 0/2   | .04         | .20         |
| 0/3   | .10         | .30         |
| 0/4   | .10         | .40         |
| 0/5   | .10         | .50         |
| 0/6   | .20         | .60         |
| 0/8   | .20         | .80         |
| 0/10  | .25         | 1.0         |
| 0/15  | .30         | 1.5         |
| 0/20  | .50         | 2.0         |
| 0/25  | .50         | 2.5         |
| 0/30  | .60         | 3.0         |
| 0/40  | .80         | 4.0         |
| 0/50  | 1.0         | 5.0         |
| 0/60  | 1.0         | 5.0         |

\*Metric, dual or special ranges on application.

| STANDARD ACCESSORIES                         |
|--|
| Two nylon ⅜" hose barb tube adapters         |
| Flush mounting kit                           |
| Two plugs for sealing connections not in use |

| RATINGS FOR STANDARD SWITCHES                |
|--|
| SPST SWITCH SPECIFICATIONS                   |
| Contact Rating: 10 VA ac (rms) or dc (max)   |
| Switch Current: 0.5 Amp ac (rms) or dc (max) |
| Switch Voltage: 100 Vac/Vdc (max)            |
| SPDT SWITCH SPECIFICATIONS                   |
| Contact Rating: 3 VA ac (rms) or dc (max)    |
| Switch Current: .3 Amp ac (rms) or dc (max)  |
| Switch Voltage: 30 Vac/Vdc (max)             |

### TO ORDER THIS 1134 DIFFERENTIAL PRESSURE GAUGES:

Select: \_\_\_\_\_ 45      1134      ED      RQM      XXX      1 IWD

1. Dial size— 4½" \_\_\_\_\_

2. Case type—1134 \_\_\_\_\_

3. Body material (Glass filled Nylon) \_\_\_\_\_

4. Connection size—½ NPTF (RQ) \_\_\_\_\_

5. Connection location—Dual In-line and Back (M) \_\_\_\_\_

6. Optional features—see above \_\_\_\_\_

7. Standard pressure range \_\_\_\_\_

Consult factory for guidance in product selection  
Phone (203) 378-8281 or visit our  
web site at [www.ashcroft.com](http://www.ashcroft.com)



- ±1.6% full scale accuracy
- Stainless steel case
- Stainless steel wetted parts
- 1450 psi static pressure standard with optional static pressure to 3625 psi
- External zero adjust
- Optional liquid-filled case
- 4" (100mm) or 6" (160mm) dial sizes
- One sided load permitted

- **Optional ATEX approval**
- **Meets NACE with Hastelloy C wetted parts**

The Ashcroft® Type 5503 differential pressure gauge is available with ranges from 16 I.W.D. to 400 psi with optional static pressure to 3625 psi. Optional wetted parts includes Hastelloy C & Monel. Typical applications include use with liquified gas for nitrogen, helium, argon and carbon dioxide.



**PRODUCT SPECIFICATIONS**

**GENERAL DIFFERENTIAL PRESSURE MEASUREMENT SPECIFICATIONS**

**Accuracy**  
±1.6% full scale  
and below. High strength cobalt alloy (Duratherm 600) for ranges of 5 psi and above.

**Dial Size**  
4" (100mm) or 6" (160mm)  
**Housing Material**  
316 stainless steel with a Viton O-ring

**Case and Ring**  
304 SS safety design case with bayonet ring (316 stainless steel case and ring optional)  
**Socket Material**  
316 stainless steel

**Dial**  
White painted aluminum  
**Socket Connection**  
1/4 NPT or 1/2 NPT lower  
Flange for direct mounted valves

**Pointer**  
Black painted aluminum with external adjust feature standard (to 25% of range)  
**Range**  
0-16 IWD (inches of water differential) to 400 psid

**Window**  
Shatterproof glass  
**Static Pressure**  
1450 psi standard with optional static pressure to 3625 psid

**Diaphragm Material**  
316 stainless steel for ranges 5 psi  
**Mounting**  
Stem, wall or pipe

**Options**

**Code**  
Glycerin fill ..... (L)  
Silicone fill ..... (XGV)  
Weatherproof/Hermetically sealed case ..... (XLJ)  
Wall mounting bracket ..... (XFW)  
Pipe mounting bracket ..... (XTM)  
3-way manifold ..... (X43)  
Hastelloy C diaphragm w/316 stainless steel housing<sup>(1,2)</sup> ... (HS)  
Monel diaphragm w/316 stainless steel housing<sup>(2)</sup> .... (PS)  
Hastelloy C diaphragm and housing<sup>(1,2)</sup> ..... (HH)  
See page 247 for selection and ordering code  
Electric warning contacts  
1/2% full scale accuracy (unidirectional upscale)..... (XAJ)  
Static pressure to 3625 psi .... (XSP)  
Polycarbonate window ..... (XPD)

(1) For ranges 5 psid and above.  
(2) Goes in 3 and 4 spot below for coding.  
Viton® is a registered trademark of DuPont Co.

**STANDARD RANGES\***

| psid | mbar | bar | I.W.D. |
|------|------|-----|--------|
| 3    | 40   | 0.6 | 16     |
| 5    | 60   | 1.0 | 30     |
| 10   | 100  | 1.6 | 60     |
| 15   | 160  | 2.5 | 100    |
| 30   | 250  | 4   | 200    |
| 60   | 400  | 6   |        |
| 100  |      | 10  |        |
| 160  |      | 16  |        |
| 200  |      | 25  |        |
| 300  |      |     |        |
| 400  |      |     |        |

\*Other ranges on application

**TO ORDER THIS MODEL 5503 DIFFERENTIAL PRESSURE GAUGE:**

Select: \_\_\_\_\_ 10 \_\_\_\_\_ 5503 \_\_\_\_\_ S \_\_\_\_\_ S (L) \_\_\_\_\_ 02L \_\_\_\_\_ XXX \_\_\_\_\_ 0/100 psid

1. Dial size – 100mm, 160mm \_\_\_\_\_

2. Type \_\_\_\_\_

3. 316 SS diaphragm \_\_\_\_\_

4. 316 SS housing and socket (L) liquid filled \_\_\_\_\_

5. Connection size and location \_\_\_\_\_

6. Optional features \_\_\_\_\_

7. Pressure range \_\_\_\_\_

- **±2.5% full scale accuracy**
- **Stainless steel case**
- **316 stainless steel wetted parts**
- **Inches of water differential ranges**
- **Static pressure for ranges**  
160IW & lower – 145 psi  
above 160IW – 360 psi
- **External zero adjust**
- **Available with open or solid front case styles**
- **Optional liquid-filled case**
- **4" (100mm) or 6" (160mm) dial sizes**

The Ashcroft® Type 5509 differential pressure gauge comes standard with 316SS wetted parts. This rugged gauge features an external zero adjust feature standard. Static pressure up to 360 psi.



**PRODUCT SPECIFICATIONS**

**GENERAL DIFFERENTIAL PRESSURE MEASUREMENT SPECIFICATIONS**

**Accuracy**  
±2.5% full scale

**Dial Size**  
4" (100mm) or 6" (160mm)  
Zero adjust at top of case

**Case and Ring**  
304 stainless steel open front case with a bayonet ring (solid front optional)

**Dial**  
White painted aluminum with black markings

**Pointer**  
Black painted aluminum with external adjust feature standard (to 25% of range)

**Window**  
Shatterproof glass

**Wetted Parts**  
Bellows 316 SS  
Diaphragm Material  
316 stainless steel for ranges 15 psi and below. High strength cobalt alloy (Duratherm 600) for ranges above 15 psi.

**Housing Material**  
316 stainless steel with a Viton O-ring

**Socket Connection**  
¼ NPT or ½ NPT lower

**Range**  
0-10 IWD (inches of water differential) to 400 psid

**Static Pressure**  
From 10 IWD to 3 psi – static pressure 145 psi  
5 psi and above – static pressure 360 psi

**Mounting**  
Stem, wall or pipe

**Ingress Protection**  
IP54 (digital), IP65 (liquid filled), optional IP65 (dry case)

**Options**

**Code**  
Glycerin fill ..... (L)  
Silicone fill ..... (XGV)  
Weatherproof/Hermetically sealed case (IP65) ..... (XLJ)  
Wall mounting bracket ..... (XFW)  
Pipe mounting bracket ..... (XTM)  
3-way manifold<sup>(1)</sup> ..... (X43)  
Electric warning contacts  
See page 267 for selection and ordering code  
Polycarbonate window ..... (XPD)  
Solid front ..... (S)

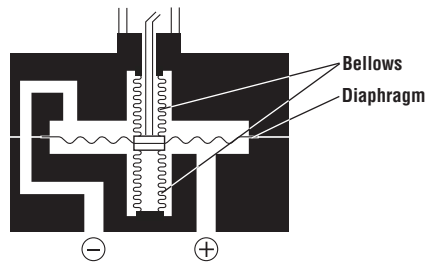
<sup>(1)</sup> Requires additional piping (not supplied). Viton® is a registered trademark of DuPont Co.

**STANDARD RANGES\***

| psid | mBar | bar | I.W.D. |
|------|------|-----|--------|
| 3    | 25   | 0.6 | 10     |
| 5    | 40   | 1.0 | 30     |
| 10   | 60   | 1.6 | 60     |
| 15   | 100  | 2.5 | 100    |
| 30   | 160  | 4   | 200    |
| 60   | 250  | 6   |        |
| 100  | 400  | 10  |        |
| 160  |      | 16  |        |
| 200  |      | 25  |        |
| 300  |      |     |        |
| 400  |      |     |        |

\*Other ranges on application

**MEASURING PRINCIPLE**



**TO ORDER THIS MODEL 5509 DIFFERENTIAL PRESSURE GAUGE:**

Select: \_\_\_\_\_

1. Dial size – 100mm, 160mm \_\_\_\_\_

2. Type \_\_\_\_\_

3. 316 SS diaphragm, housing and socket \_\_\_\_\_

4. For solid front option add (S), otherwise leave blank \_\_\_\_\_

5. Connection size and location \_\_\_\_\_

6. Optional features \_\_\_\_\_

7. Pressure range \_\_\_\_\_

10      5509      S      02L      XXX      0/100 psid