DG

diaphragm style dp gauge
DG Standard Gauge

Available Pressure Ranges
- (1-50 PSID)

Specs
- Viton Diaphragm
- Aluminum, Brass, or Stainless
- 1,500 PSI system pressure
- 175F Temperature Rating
- Electrical switches and many other optional accessories

Great for measuring flow rates

Great Microbulk Cryogenic tanks
Model Number System

- Standard polymer dials cases come with panel mounting hardware
- Stainless Steel Dial Case option available in panel and non-panel mount
- Specialty pressure ranges available upon request
- Custom Logos are no extra cost

### Examples

#### Application 1
- **Design Requirements**
  - Piston Gauge
  - Inline Connections
  - Aluminum body with standard Buna seals
  - 2.5" dial case
  - 10 PSID range
  - No Options
- **Model number**
  - PG-1A25-10P

#### Application 2
- **Design Requirements**
  - Piston Gauge
  - Bottom Connections
  - Aluminum body with standard Buna seals
  - 2.5" dial case
  - 2 Bar range
  - Liquid Fill
- **Model number**
  - PG-3A25-2B-LF

#### Application 3
- **Design Requirements**
  - Piston Gauge
  - Inline Connections
  - Stainless body with standard Buna seals
  - 2.5" dial case
  - 10 PSID
  - Color Band
  - 1 SPST switch with terminal strip
- **Model number**
  - PG-1S25-10P-CBS2

### Standard Ranges (PSID)

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>5</th>
<th>10</th>
<th>15</th>
<th>20</th>
<th>30</th>
<th>50</th>
</tr>
</thead>
</table>

### Other Units

<table>
<thead>
<tr>
<th></th>
<th>kPa</th>
<th>mBar</th>
<th>Bar</th>
<th>ln H2O</th>
<th>mm H2O</th>
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### Electrical Switches

- S1: 1 SPST w/DIN Plug
- S2: 1 SPST w/terminal strip
- S3: 2 SPST w/DIN Plug
- S4: 2 SPST w/terminal strip
- S5: 1 SPDT w/DIN Plug
- S6: 1 SPDT w/terminal strip
- S7: 2 SPDT w/DIN Plug
- S8: 2 SPDT w/terminal strip

### Body Material

- A: Aluminum
- B: Brass
- S: Stainless

### Dial Face Size

- 25: 2.5"
- 45: 4.5"
- 60: 6.0"
Accessories Overview

Follower Pointer: Shows Max Reading

Color Band: Customizable 3 Color Arc

Mounting Bracket: For Walls or 2” Pipe

Liquid Fill: For Vibration or High Humidity

Standard Polymer Dial Case
(includes panel hardware)

Steel Dial Cases
(Available in Standard or Panel Mount)
SWITCH SETTING:

Please follow these instructions when your differential pressure instruments are supplied with switch. The switches are normally factory set to save time at customer’s end. However they are field adjustable.

CAUTION: Supply should not exceed switch rating.
For higher supply, use of relay circuit is recommended.

SWITCH ADJUSTMENT

Switch adjustment screw is located on plastic cover.

Rotate the screw anti-clockwise to increase the set point and clockwise to decrease the set point. One or two trials may be necessary to attain the exact set point. Above procedure to be followed by putting the instrument on test bed or while in actual service.

NOTE: Instrument and switch has IP65 protection. PG7 gland is provided for cables for terminal strip option (Use cable dia 3-6.5 mm). PG9 gland is provided for cables for DIN plug option (Use cable dia 4 - 8 mm).

SPST SWITCH

Specifications

Switches are provided as per customer requirement. Please refer gauge label for switch specification.

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<th>Two SPST switches</th>
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<td>View of socket for supply connections</td>
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<td>View of plug after removing the switch</td>
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SPDT SWITCH

Specifications

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R=Red, B=Black, Y=Yellow, L=Live or +ve supply, N=Neutral or -ve supply
★ Body to be suitably earthed while using gauge + switch and only switch.
4 x Ø13/64" (5.16)
Equally spaced on a Ø 5.62" (142.86) bolt circle

2-1/2" DIAL SIZE

4 x Ø13/64" (5.16)
Equally spaced on a Ø 6.62" (177.8) bolt circle

4-1/2" DIAL SIZE

6 x Ø13/64" (5.16)
Equally spaced on a Ø 7.33" (186.2) bolt circle

6.0" DIAL SIZE
PORTING DETAILS,
SMALL CONVOLUTED DIAPHRAGM INST.

BACK PORTING

BOTTOM PORTING
BRACKET MOUNTING COMBINATIONS, with & without switch
Differential Pressure Plus Inc. has been designing and manufacturing filter indicators and differential pressure gauges for 25 years.