PG
piston style dp gauge
PG Standard Gauge

Available Pressure Ranges

- (5 PSID-1,000 PSID)

Specs

- Teflon seal on Piston
- Aluminum, Brass, or Stainless
- Viton Seals or EPDM
- 3,000 PSI system pressure for Aluminum
- 6,000 PSI system pressure for stainless
- 175F Temperature Rating
- Electrical switches and many other optional accessories
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
- **Color Band**
- 1 SPST switch with terminal strip

**Model number**
- PG-1S25-10P-CBS2

### Available Ranges (PSID)
- 5
- 10
- 15
- 20
- 30
- 50
- 75
- 100
- 150

### Other Units
- kPa
- Bar
- In H2O
- mm H2O

### 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"

### Range
- #P: PSID
- #B: Bar
- #KPA: kPA
- #IW: in. H2O
- #mW: mm H2O

### Options
- CB: Color Band
- CL: Custom Logo
- CR: Calibration Report
- ES: EPDM Seals
- FP: Follower Pointer
- LF: Liquid Filling
- MB: Mounting Bracket
- OX: Oxygen Cleaning
- SS: Stainless Dial Case
- SF: Steel Dial Case (Panel Mount)

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[Image of models and gauges]
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 or PG 9 glands provided for cables. Use cable sizes dia 3 to 6.5 mm and dia 4 to 8 mm respectively.

SPST SWITCH

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

<table>
<thead>
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</tr>
<tr>
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Reed switches & Din plug connection
View of socket for supply connections

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R=Red, B=Black, Y=Yellow, L=Live or +ve supply, N=Neutral or -ve supply

SPDT SWITCH

Specifications
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This model is CE certified.
2-1/2” DIAL SIZE

4 x 13/64" (5.16) Equally spaced on a Ø3.5" (88.9) bolt circle

M4 SCREWS
4 PLACES

M4 LOCK NUTS
6 PLACES

6 x Ø13/64" (5.16) Equally spaced on a Ø7.0" (177.8) bolt circle

M4 STUDS 5/8" (16) LONG
M4 LOCK NUTS
6 PLACES

6.0” DIAL SIZE

Panel Cutout

Panel Cutout

Panel Cutout
PORTING DETAILS, PISTON INSTRUMENTS

BACK PORTING

2 X 1/4" NPT

2.125"

0.48"

BOTTOM PORTING

2X1/4" NPT

2.125"
BRACKET MOUNTING COMBINATIONS, with and without switch
Differential Pressure Plus Inc. has been designing and manufacturing filter indicators and differential pressure gauges for 25 years.