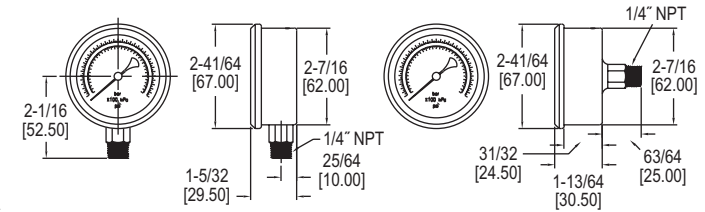
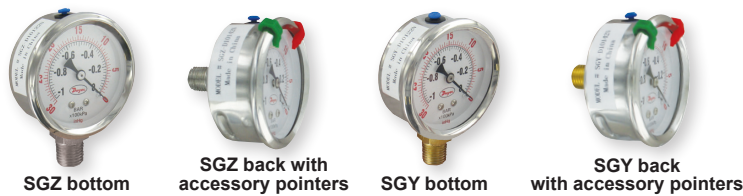


# 2.5" INDUSTRIAL PRESSURE GAGES

1.5% FS Accuracy, 316 SS or Brass Wetted Parts, Dual Psi/Bar x100 kPa Scales



The **Series SGY & SGZ 2" Industrial Pressure Gages** have dual psi and bar (x100 kPa) scales with  $\pm 1.5\%$  full-scale accuracy. The Series SGZ and SGY gages are designed with 304 SS housings and the SGZ is designed with 316 SS wetted parts for excellent chemical compatibility or SGY brass wetted parts for compatible gases. These gages cover a wide variety of ranges in either bottom or back connection configurations. Series SGZ gages employ an easy-open breather plug on top, which allows liquid filled units to breathe, relieving any built up internal pressures. Plug easily pops open and does not need to be entirely removed or cut like a typical gages' rubber plug grommet.

## FEATURES/BENEFITS

- Stainless steel housing and wetted parts to resist ambient corrosion for longer service life in harsh environments
- Higher accuracy gage for value-sensitive applications requiring more precise measurement and where vibration is a concern
- Optional sliding pointer clearly mark to make visible critical ranges and high and low points
- Liquid fillable gage with easy open breather plug provides smoother damped movement of pointer
- Back or bottom mounting and compact size provides for mounting with dimensional limitations

## APPLICATIONS

- Vacuums in pneumatic conveying lines
- Positive pressure in compressed air headers
- Corrosive ambient environments

## ACCESSORIES

| Model  | Description                          |
|--------|--------------------------------------|
| A-445D | U-bracket mounting kit for 2.5" gage |
| A-499R | Red sliding color pointer            |
| A-499Y | Yellow sliding color pointer         |
| A-499G | Green sliding color pointer          |

## OPTIONS

| Use order code: | Description                            |
|-----------------|----------------------------------------|
| NISTCAL-PG1     | NIST traceable calibration certificate |

## SPECIFICATIONS

**Service:** Compatible gases and liquids.  
**Wetted Materials:** SGZ: 316 L SS Tube, 316 SS connector; SGY: Brass connection, bronze tube.  
**Housing:** 304 SS.  
**Lens:** Polycarbonate.  
**Accuracy:**  $\pm 1.5\%$  FS.  
**Pressure Limit:** FS range.

**Temperature Limits:** -4 to 140°F (-20 to 60°C).  
**Size:** 2.5" (63 mm).  
**Process Connections:** 1/4" male NPT.  
**Weight:** 4.9 oz (141 g) bottom, 5.8 oz (164 g) back. Add 3.7 oz (104 g) for glycerin fill.

## MODEL CHART

| Model       | Range         | Model       | Range         |
|-------------|---------------|-------------|---------------|
| SGZ-D10122N | 30" Hg to 0   | SGY-D10122N | 30" Hg to 0   |
| SGZ-D10322N | 0 to 30 psi   | SGY-D10322N | 0 to 30 psi   |
| SGZ-D10422N | 0 to 60 psi   | SGY-D10422N | 0 to 60 psi   |
| SGZ-D10522N | 0 to 100 psi  | SGY-D10522N | 0 to 100 psi  |
| SGZ-D10622N | 0 to 160 psi  | SGY-D10622N | 0 to 160 psi  |
| SGZ-D10722N | 0 to 200 psi  | SGY-D10722N | 0 to 200 psi  |
| SGZ-D11022N | 0 to 300 psi  | SGY-D11022N | 0 to 300 psi  |
| SGZ-D11122N | 0 to 500 psi  | SGY-D11122N | 0 to 500 psi  |
| SGZ-D11222N | 0 to 1000 psi | SGY-D11222N | 0 to 1000 psi |

**Note:** To order with glycerin fill, add -GF to the end of the model. For back connect, change 22N to 42N.

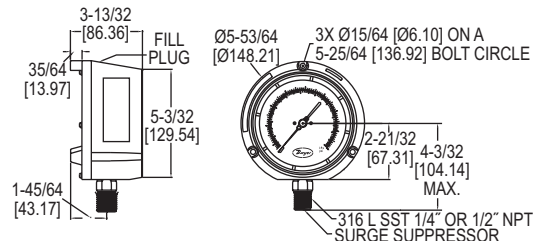
USA: California Proposition 65

⚠ WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## SERIES 765

# PROCESS GAGE WITH DAMPENED MOVEMENT

$\pm 0.5\%$  Accuracy, Safety Blow-Out Back



The **Series 765 Process Gage with Dampened Movement** minimizes effects of vibration without liquid filling. With this dampened movement the 765 gages are ideal for use in any application where high pulsation or vibration exists. The 765 gages offer dual scale range (psi/kPa) with  $\pm 0.5\%$  full-scale accuracy. They are designed with a Phenolic safety-case and have a solid front with a blow-out back. Excellent chemical compatibility is insured with the 316L SS socket and Bourdon tube. A wide offering of ranges are available from full vacuum to 20,000 psi. The 765 process gage comes standard with bottom 1/4" or 1/2" male NPT connections.

## FEATURES/BENEFITS

- Liquid-free dampened movement minimizes effect of vibration and cost to maintain
- Stainless steel socket and Bourdon tube permit use in chemical applications
- High accuracy gage for applications requiring more precise measurement
- Models that support vacuum to high pressure ranges provide a selection to meet specific applications
- Specified with high ambient and process temperature ratings mean more robust uses and longer service-life

## APPLICATIONS

- Process applications
- Chemical
- Refinery
- Fertilizer
- Petrochemical
- Power
- Pharmaceutical
- Pulp and paper
- Cement

## OPTIONS

| Use order code: | Description                            |
|-----------------|----------------------------------------|
| NISTCAL-PG1     | NIST traceable calibration certificate |

## SPECIFICATIONS

**Service:** Compatible gases & liquids.  
**Wetted Materials:** 316L SS socket and Bourdon tube.  
**Housing:** Phenolic plastic with safety blow-out back.  
**Lens:** Polycarbonate.  
**Accuracy:**  $\pm 0.5\%$  ANSI/ASME Grade 2A.  
**Pressure Limit:** 125% FS < 1500 psi, 115% FS for 2000 to 5000 psi, 110% FS > 10,000 psi.

**Temperature Limits:** -40 to 200°F (-40 to 93°C).  
**Size:** 4-1/2" (114.3 mm) dial face.  
**Process Connections:** 1/4" or 1/2" NPT male.  
**Enclosure Rating:** IP65 (NEMA 4).  
**Weight:** 37 oz (1040 g).  
**Agency Approval:** Meets the technical requirements of EU Directive 2011/65/ EU (RoHS II).

## MODEL CHART

| Example            | 765 | -01                                                            | 2N       | -FMR        | 765-012N-FMR                                                                                                                                                                                                                                                                                                                                             |
|--------------------|-----|----------------------------------------------------------------|----------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Series             | 765 |                                                                |          |             | 4.5" process gage                                                                                                                                                                                                                                                                                                                                        |
| Range              |     | 01<br>02<br>03<br>04<br>05<br>06<br>07<br>08<br>09<br>10<br>11 |          |             | 30" Hg-0 VAC (-100 to 0 kPa)<br>0 to 30 psi (0 to 206 kPa)<br>0 to 60 psi (0 to 410 kPa)<br>0 to 100 psi (0 to 680 kPa)<br>0 to 160 psi (0 to 1100 kPa)<br>0 to 200 psi (0 to 1370 kPa)<br>0 to 300 psi (0 to 2060 kPa)<br>0 to 400 psi (0 to 2770 kPa)<br>0 to 500 psi (0 to 3400 kPa)<br>0 to 600 psi (0 to 4100 kPa)<br>0 to 1000 psi (0 to 6800 kPa) |
| Process Connection |     |                                                                | 2N<br>4N |             | 1/4" male NPT<br>1/2" male NPT                                                                                                                                                                                                                                                                                                                           |
| Additional Options |     |                                                                |          | FMR<br>SG45 | Flush mounted ring<br>Safety glass lens                                                                                                                                                                                                                                                                                                                  |

For additional ranges contact factory.