

# 50mm Diameter All Stainless Steel Process Pressure Gauge

## Application

For the measurement of fluid liquids that are not:- highly viscous, high temperature (over 150°C), likely to solidify/crystallize. Stainless steel (SS316L) internals and wetted parts make the gauge more resistant to corrosive or high temperature substances entering the gauge.

Also suitable for gases (excluding oxygen or acetylene) up to 25 bar maximum.

Food/Drink  
Pharmaceutical  
Petrochemical  
Process



## Description

**Nominal Size**  
50mm

**Accuracy**  
+/-1.6% FSD

**Scales**  
BAR Outer (Black) & PSI Inner (Red) - Pressure  
BAR Outer (Black) & "HG Inner (Red) - Vacuum  
BAR Outer (Black) & "HG + PSI Inner (Red) - Compound

**Ranges**  
-1/0 BAR Vacuum to 0/400 BAR Pressure  
-1/+2 BAR Compound

**Mounting Options**  
Bottom - Direct Mounting Only (standard)  
  
Centre Back - Direct Mounting (standard)  
Centre Back - Panel Mounting Rear Bracket  
Centre Back - Panel Mounting Front 3 Hole Flange

**Operating Temperature**  
Ambient: -20/+60°C  
Medium: +150°C maximum without filling

**Temperature Effect**  
Variation in indication caused by temperature  
 $\pm 0.04 \times (t_2 - t_1)\%$  of the span  
 $t_1$  is the reference ambient temperature in °C  
 $t_2$  is the ambient temperature in °C

**Ingress Protection**  
IP 65 as per EN 60529

**Case & Bayonet Bezel**  
304 Stainless Steel

**Window**  
Polycarbonate - Crystal Clear

**Pressure Element**  
316L Stainless Steel - Sealed Bourdon tube  
C-Type <100 BAR  
Coiled Type >100 BAR

**Joints**  
Welded 316L Stainless Steel

**Movement**  
High Precision Stainless Steel

**Process Connection & Block**  
SS316L - 1/8" BSP (parallel) male (standard)  
SS316L - 1/4" BSP (parallel) male (standard)  
SS316L - 14mm Square block

**Pointer**  
Aluminium - Black

**Dial**  
Aluminium - White

**Filling**  
Optional - FDA Approved food grade glycerine (max 60°C)  
Dow Corning DC200 Silicone Oil (max 150°C)

**Special Options**  
Other scales/ranges  
Rubber gauge cover