

# 100mm Diameter DIN Style Stainless Steel Case Brass Wetted Parts C1.0 Pressure Gauge

## Application

For the measurement of fluid liquids that are not:- highly viscous, high temperature (over 60°C), likely to solidify/crystallize or corrosive to copper or tin alloys.

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



## Description

**Nominal Size**  
100mm

**Accuracy**  
+/-1.0% 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 0/1000 BAR Pressure  
-1/+1 BAR to -1/+11 BAR Compound

**Mounting Options**  
Bottom - Direct Mounting (standard)  
Bottom - Surface Mounting Rear 3 Hole Flange  
Bottom - Panel Mounting Front 3 Hole Flange

Lower Back - Direct Mounting (standard)  
Lower Back - Panel Mounting Rear Bracket  
Lower Back - Panel Mounting Front 3 Hole Flange  
Lower Back - Surface Mounting 3 Hole Back Flange

**Operating Temperature**  
Ambient: -20/+60°C  
Medium: +60°C maximum

**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 - DIN design

**Window**  
Laminated Safety Glass

**Pressure Element**  
CU Alloy - Sealed Bourdon tube  
C-Type <100 BAR  
Coiled Type >100 BAR

**Joints**  
Soldered with tin alloy/silver

**Movement**  
High Precision Brass

**Process Connection & Block**  
Brass - 3/8" BSP (parallel) male (standard)  
Brass - 1/2" BSP (parallel) male (standard)  
Brass - 22mm Hexagon block

**Rear Blow-Out**  
30mm Black rubber

**Pointer**  
Micro Adjustable - Aluminium - Black

**Dial**  
Aluminium - White

**Filling**  
Optional - High Purity grade glycerine 99.5%

**Special Options**  
Other scales/ranges  
Other process connections  
Electrical contacts  
Maximum pressure indicator  
Rubber gauge cover  
Plastic Window