

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 - FDA Approved food grade glycerine

Special Options

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