

100mm Diameter Glycerine Filled 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 non-oxidising gases (such as oxygen or acetylene) up to 25 bar maximum.

Glycerine filled gauges are particularly suited to applications where oscillating/surging pressures or vibration are present. The damping effect of the glycerine will steady the pointer making it easier to take a reading against the scale.

Description

Nominal Size: 100mm

Accuracy: +/- 1.6% FSD

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

Ranges: -30"/0"HG Vacuum to 0/10000 PSI Pressure, -30"HG/+15 PSI to -30"HG/+160 PSI Compound

Mounting Options:

Bottom - Direct Mounting (standard)

Bottom - Surface Mounting Rear 3 Hole Flange

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: +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 & Crimped Bezel: 304 Stainless Steel

Window: Polycarbonate - Crystal clear

Pressure Element

CU Alloy - Sealed Bourdon tube

C-Type <100 BAR

Coiled Type >100 BAR

Joints: Soldered with tin/silver alloy

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

Pointer: Aluminium - Black

Dial: Aluminium - White

Filling: FDA Approved food grade glycerine

Special Options

Other scales/ranges

Customer logo on dial

Other process connections

Rubber gauge cover