

# 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