

# 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 gases (except 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  $\pm 0.04 \times (t2 - t1)\%$  of the span t1 is the reference ambient temperature in °C t2 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

### Pointe

Aluminium - Black

### Dia

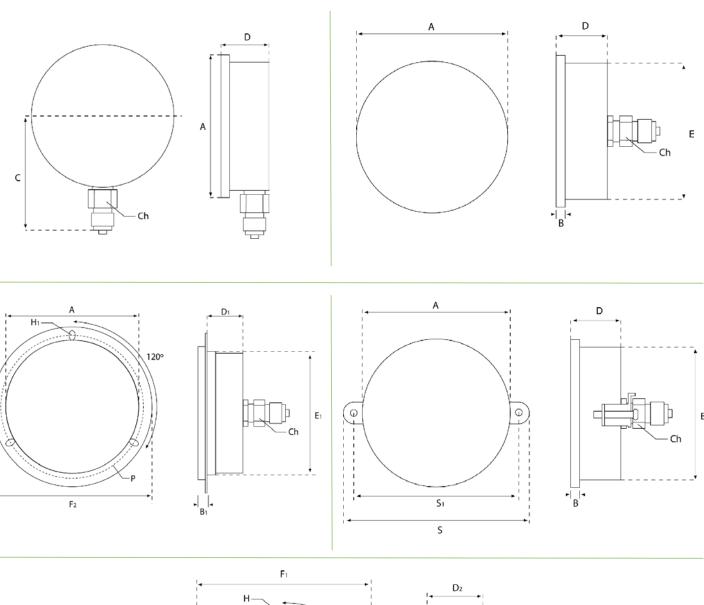
Aluminium - White

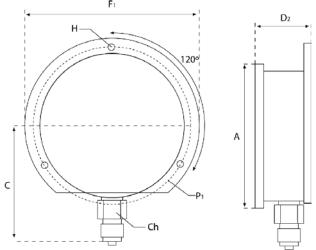
## Filling

High Purity grade glycerine 99.5%

# **Special Options**

Other scales/ranges
Customer logo on dial
Other process connections
Rubber gauge cover





| I | Α   | В | B1 | С  | Ch | D  | D1 | D2   | E    | E1  | F1    | F2  | Р   | P1  | Н | H1 | S     | S <sub>1</sub> |
|---|-----|---|----|----|----|----|----|------|------|-----|-------|-----|-----|-----|---|----|-------|----------------|
| ſ | 109 | 7 | 8  | 80 | 22 | 36 | 30 | 39.5 | 98.5 | 101 | 132.5 | 130 | 116 | 116 | 5 | 5  | 137.5 | 123            |

(Dimensions in mm)