



Budenberg

Made in Britain

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Model: 700 Series

The 700 series of pressure gauges has been designed for specialised applications where high pressures and extremes of pulsation and vibration are the norm.

The 700 series is supplied as either a surface mount, flush panel mount or direct mounting version. The unit is glycerine fillable and can also be supplied with a viscous damped movement and an internal snubber.

Connection vary from N.P.T or parallel threads to Autoclave HF2 and HF4 depending on the pressure range required.

Original Engineering Manufacturers will often specify this type of gauge for control panels or portable power packs used in the offshore industry or similar demanding environments.

Size

100 mm (4") & 150mm (6")

Mounting

Direct, flush or Surface

Case & Bezel

One-piece open front case in 316 Stainless Steel with a safety blow out disc in the back. Polished Bezel with Bayonet Locking mechanism

Scale Ranges

Dual scale up to 6000psi/400 bar up to a maximum of 50,000psi/3500bar. Other pressure units are available

Pressure Element

≤80 Bar – 316 Stainless Steel Bourdon Tube
≥81 Bar - 316 Stainless Steel Coil

Overload

Units withstands overload pressure up to 130% of FSD

Pressure Connection

1/2" NPT, 1/2" BSP, HF2 and HF4 Autoclave

Accuracy Class

CL:1 1.0% of FSD as defined in EN837-1

Temperature

Operating: -40 to +60 °C
Storage: -40 up to +100 °C
Options: for lower or higher operating temperatures, please contact our Sales Office

Power Pack Gauge.



Temperature Effect

+/- 0.4% per 10 °C

Dial

White Anodised Aluminium marked in black finish
Dual scale bar / psi is standard but customised dials are available

Pointer

Black Aluminium Micrometer Adjustable Pointer

Movement

Stainless Steel Construction (viscous damped option)
Option : Case filling with glycerine or other fluids is available

Window

Toughened Safety Glass

Environmental Rating

IP65 as defined in EN 60 529

Traceability

All instruments are individually calibrated
A Certificate of Conformity is Supplied Free of Charge

Certification available

BS EN 10204 3.1B Material Certification
Point by Point Test Certificate

Safety

All units are manufactured to comply with EN 837-1 specification and other regulatory standards including PED.

Installation instructions

Refer to EN 837-2