

Bourdon Tube Pressure Gauge

Premium Industrial Service

Model 966GP

An impressive technical specification and wide range of standard features make the PREMIUM the obvious choice for a wide range of process and engineering applications.

Embodying an all 316 Stainless Steel construction, the 966GP incorporates a solid baffle wall and blow out back for operator protection and standard features such as IP67 environmental protection, not normally available on comparative units.

An extensive choice of options can be fitted to any standard unit whilst fully customised units can be manufactured to suit any customer's requirements.

Monel wetted parts, can be provided for customers who seek units to meet NACE-01-75 specification see 966MGP.



Size

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

Mounting

Direct, Surface and Flush

Case & Bezel

Rugged one-piece full Safety Pattern case to S3 standard with a solid baffle partition wall and full blow out back manufactured in 1.6mm thick, 316L stainless steel.

Scale Ranges

0 to 600 mbar to 0 to 1400 bar Pressure
Equivalent units of pressure / vacuum available
Single and dual scales are available

Pressure Element

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

Overload

Units withstands overload pressure up to 130% of FSD
Overload & vacuum stops are fitted on the movement
Option: Mechanical overload clamps fitted internally to enable units to withstand up to 3x the max scale reading

Pressure Connection in 316 Stainless Steel

3/8", 1/2" BSP
1/2" NPT
Other connections available

Accuracy Class

CL:1 1.0% of FSD as defined in EN837-1
Option: 0.5% of FSD as defined in EN837-1

Temperature

Operating: -20 to +90 °C
Storage: -40 up to +100 °C
Options: for lower or higher operating temperatures

Temperature Effect

Variation in indication caused by temperature shall not exceed $\pm 0.04 \times (t_2 - t_1)\%$ of the span where:
t1 is the reference ambient temperature in degrees Celsius
t2 is the ambient temperature in degrees Celsius

Dial

White Anodised Aluminium marked in black finish
Single or dual scale

Pointer

Stainless Steel coloured black
Options: Micrometer adjustable pointer

Movement

Stainless Steel Construction
Option: Viscous Damped movement to overcome the effects of minor pressure pulsations

Window

3mm Laminated Safety Glass (Standard)
Option: Acrylic Plastic Window

Environmental Rating

IP68 as defined in EN 60 529

Traceability

All instruments are individually calibrated and have a unique Serial Number printed on the dial. A Certificate of conformity traceable to National Standards is supplied free of charge.

Certification Available

BS EN 10204 3.1B Material Certification
Point by point Certificate

Safety

All units are manufactured to comply with EN 837-1 and other regulatory standards including P.E.D.

Installation Instructions

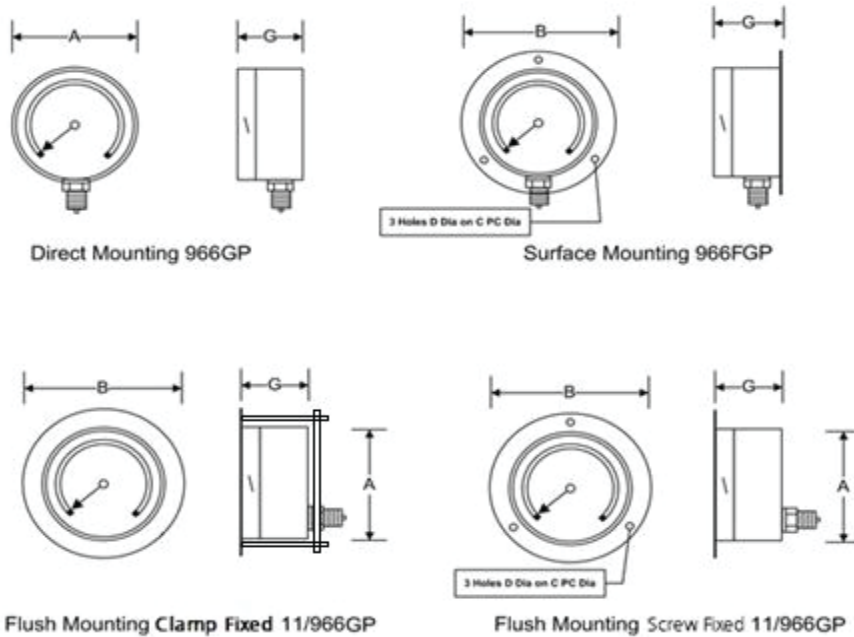
Refer to EN 837-2



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Dimensions



Model No	A	B	C	D	G	Weight
100mm 966 (Dry Case)	105mm	131mm	118mm	6mm	52mm	0.7kg
100mm 966 (Glycerine Filled)	105mm	131mm	118mm	6mm	52mm	1.1kg
150mm 966 (Dry Case)	162mm	183mm	168mm	6mm	53mm	1.34kg
150mm 966 (Glycerine Filled)	162mm	183mm	168mm	6mm	53mm	2.30kg

Options

Element : 316L Stainless Steel
 Accuracy : 0.5% of FSD as defined in EN837-1
 Window : Acrylic Plastic Window
 Pointer : Micrometer adjustable Model 270
 Dials : Special sectors, Logos etc...

Accessories

For high temperature applications such as steam, see our range of syphons and adaptors. – See separate Datasheet.

We can supply Needle, Ball or 2 Valve manifolds for the Model 950GP refer to datasheet

The manifolds in addition to allowing the instrument to operate normally allows the following: -

- Checking of gauge zero at line pressure.
- Complete isolation of the instrument.
- De-pressurisation of the instrument or controlled purging.
- Damping of pressure pulsations and surges.
- Inline calibration, allows in situation calibration

Specifications and dimensions in this leaflet, are subject to change without prior notice.

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 **Budenberg**



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