Budenberg
Made in Britain

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Model: 966GP

BOURDON TUBE PRESSURE GAUGE PREMIUM INDUSTRIAL SERVICE

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 custmised 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
63mm (2 ½"), 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 –316 Stainless Steel Bourdon Tube
≥81 Bar - 316 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, contact our Sales Dept for details

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, please contact our Sales Office

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
IP67 as defined in EN 60 529

Traceability
All instruments are individually calibrated and have an 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 Test Certificate

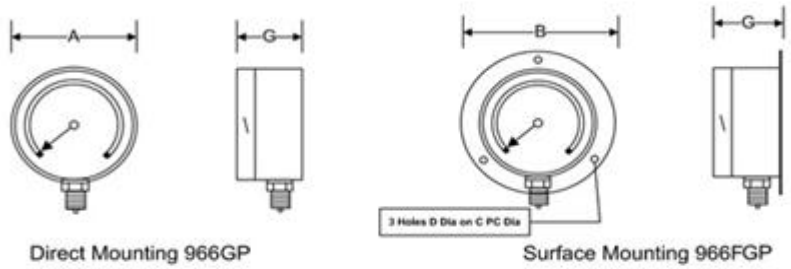
Safety
All units are manufactured to comply with EN 837-1, S3 specification and other regulatory standards including PED.

Installation instructions
Refer to EN 837-2

Temperature Effect
Variation in indication caused by temperature shall not exceed ± 0.04 x (t2 – t1)% of the span where:
t1 is the reference ambient temperature in degrees Celsius
t2 is the ambient temperature in degrees Celsius

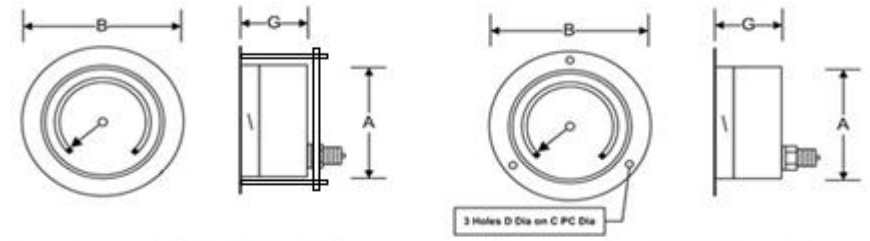
Dimensions

Model : 966GP



Direct Mounting 966GP

Surface Mounting 966FGP



Flush Mounting Clamp Fixed 11/966GP

Flush Mounting Screw Fixed 11/966GP

Model No.	A	B	C	D	G	Weight
63mm 966 (Dry Case)	64mm	85mm	75mm	3.8mm	42mm	0.3Kg
100mm 966 (Dry Case)	105mm	131mm	118mm	6mm	52mm	0.7Kg
150mm 966 (Dry Case)	162mm	183mm	168mm	6mm	53mm	1.34Kg

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 966GP – See separate Datasheet.
The manifolds in addition to allowing the instrument to operate normally allows the following: -

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