



# Budenberg

Made in Britain

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## Model: 15P

The model 15P is manufactured to meet the demand for small high quality gauges designed for applications using gases, water or any liquid that does not attack brass and bronze.

The one piece polycarbonate case with integral window forms a solid baffle in front of the Bourdon tube and incorporates a full diameter stainless steel blow-out back so that in the event of a tube failure through corrosion, explosion or gross over pressure any vapour or debris is vented from the back of the case.

This gauge is designed for direct mounting on to the process pipe work and comes with a grey inner sleeve to give a grey colour to the side of the case.

For oxygen applications these gauges must be manufactured to ensure they are entirely free from oil and grease.

### Size

63 mm & 80mm Dial diameter

### Mounting

Direct

### Case & Bezel

One Piece Polycarbonate, Safety Pattern type case

### Scale Ranges

0 to 300mBar, up to 0 to 400 Bar Pressure  
Equivalent units of pressure / vacuum available  
Single and dual scales are available

### Pressure Element

Phosphor Bronze tube soldered to brass connection and end piece.  
Stainless Steel above 40 Bar.  
Stainless Steel below 1 bar.

### Pressure Connection

1/4" BSP as Standard  
1/8" BSP & NPT are also available

### Accuracy Class

CL:1 1.0% 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

### 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

### Overload

115%

## SMALL DIAL INDUSTRIAL SERVICE GAUGE



### Dial

White Anodised Aluminium marked in black finish  
Option: Dual scale, colour bands & sectors  
Customisation with Company Name & Logo also available

### Pointer

Stainless steel coloured black

### Movement

Brass Construction  
Option : Viscous Damped movement to overcome the effects of minor pressure pulsations and vibrations

### Window

One Piece Polycarbonate

### Environmental Rating

IP54 as defined in EN 60529

### 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

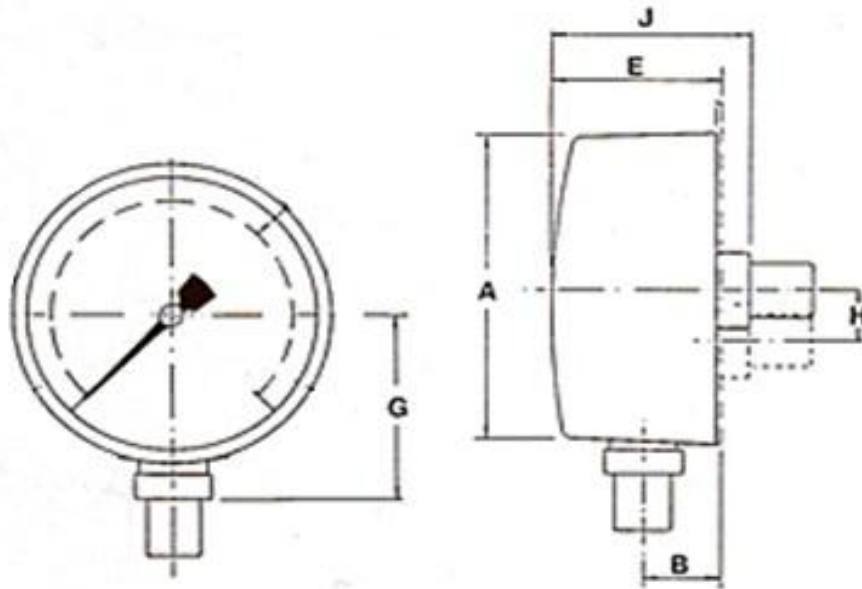
BS EN 10204 3.1B Material  
Certification Point by Point Test Certificate

### 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



Model No	A	B	E	F	G	Weight
63mm Polycarbonate Case	68mm	14mm	36.5mm	110mm	44.5mm	0.2kg
80mm Polycarbonate Case	86mm	19mm	42mm	153mm	51.5mm	0.3kg

Model No	H	J
63mm Polycarbonate Case	13.5mm	45mm
80mm Polycarbonate Case	13.5mm	46mm

**Options**

- Case : Customer Name or Logo
- Mounting : See other Datasheets for various mountings
- Threads : NPT available
- Dials : Colour sectors

**Accessories**

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

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

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