

Small Dial - Low Pressure Industrial Service Gauge

Model 15L

The model 15L 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, bronze or Beryllium copper.

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 case

Scale Ranges

Above 25 mbar up to 600 mbar pressure

Equivalent units of pressure / vacuum available including inches and mm of water or mercury

Single and dual scales are available

Pressure Element

Beryllium Copper Capsule, which gives the energy and precision required for accurate repeatable low pressure measurement

Overload

115%

Pressure Connection

1/4" BSP as Standard

1/8", 1/4" & 3/8" BSP & NPT are also available

Accuracy Class

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

Temperature

Operating: -20 to +90 °C

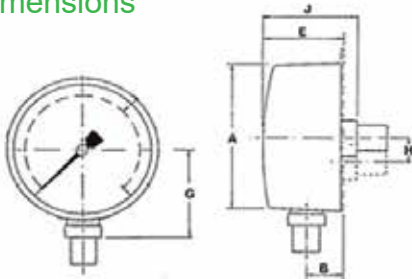
Storage: -40 up to +100 °C

Options: for lower or higher operating temperatures

Temperature Effect

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

Dimensions



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 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 Test Certificate

Safety

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

Installation instruction

Refer to EN 837-2

Accessories

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

Brass shut off cocks

Options

Case: Customer Name or Logo

Mounting: See other Datasheets for various mountings

Threads: NPT available

Dials: Colour sectors

Model No	A	B	E	F	G	H	I	Weight
63mm Polycarbonate Case	63mm	14mm	36.5mm	110mm	44.5mm	13.5mm	45mm	0.2kg
80mm Polycarbonate Case	86mm	19mm	42mm	153mm	51.5mm	13.5mm	46mm	0.3kg

Authorised Australian distributor for



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PIT_15L-Low-Pressure-Gauge_v1.0