

63 / 150mm SAFETY PATTERN**OXYGEN PRESSURE GAUGE**

The Model 950GP is a high quality pressure gauge with an Oil Free construction designed to meet the standards for oxygen applications. It bears special dial markings such as "OXYGEN" and "USE NO OIL" to ensure proper use of the gauge.

Sizes

63mm
100mm
150mm.

Mounting

Direct
Surface with spacing pillars
Flush.

Scale Ranges

63mm dial size:
0/1 Bar up to 600 Bar or equivalent units of pressure/vacuum.

100 & 150mm dial size:
0/400 mBar up to 1600 Bar or equivalent units of pressure/vacuum.
Standard ranges as EN 837-1.

Pressure Connection

1/4, 3/8, 1/2" BSP
1/4, 3/8, 1/2" NPT(API)
Options: for other connections, contact Sales Department.

Pressure Element

63mm dial size:
≤ 70 Bar, Phosphor Bronze tube.
≥ 71 Bar, 316 Monel coil.

100 & 150mm dial size:
≤ 80 Bar, Phosphor Bronze tube.
≥ 81 Bar, 316 Stainless Steel coil.

Overload Accuracy

If the pressure is less than or equal to 100 Bar then the maximum pressure will be 125% of the range. Above 100 up to 600 Bar the maximum pressure will be 115% of the range.
Option: Up to 3x maximum scale when fitted with overload stops.

Accuracy Class

1.0% as per EN 837-1
Option: 0.5% as per EN 837-1

Environmental Rating

IP67

Temperature

Operating -20 up to +90°C
Storage -40 up to +100°C
Options: For higher temperatures, contact Sales Department.

**Temperature Effect**

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

Case & Bezel

304 Stainless Steel.
Options: DMC (Dough Moulded Compound) - Model 950TGP
316 Stainless Steel

Window

Laminated Safety Glass
Options: Acrylic Plastic

Dial

White Anodised Aluminium marked in black
Option: Customised dials on request.

Pointer

Black anodised aluminium.
Options: Micro adjustable
Min/Max Pointers
Stainless Steel

Movement

Stainless Steel

Safety

All gauges designed and manufactured in accordance with EN 837-1.
All cases are fitted with integral baffle wall and blow-out back.

Installation Instructions

Refer to EN 837-2

Ordering Specification for Model 950GP 63/150mm Instruments

Dial Size

63	63
100	10
150	15

Mounting

Direct Bottom	A
Surface Bottom	B
Direct Rear	C
Flush Rear 3 Hole Front Flange	D
Flush Rear U Bracket	E

Note: Type E not available on Safety Pattern Case Gauges (ie. GP)

Connection Size

1/8"	1
1/4"	2
3/8"	3
1/2 "	4

Connection Type

NPT	1
BSP Parallel	2
BSP Taper	3

Scale Type

Vacuum	V
Compound	C
Pressure	P

Graduation (in Bar)

Range	100 (example only)
Bar	B
Kilopascals (kPa)	K
Pounds per square inch (Psi)	P

Options

Adjustable pointer	AP
Internal Zero Stop	IZS
Acrylic plastic window	APW
316 stainless steel case	STC
DMC case	DMC
Other - specify	O

Special Information

Liquid filling for applications subject to vibration.
Full range of electrical contacts
Dials can be customised to add customer logos, special non linear scales, coloured bands and lines. Check screws or snubbers can be fitted into gauge inlet for clean pulsating pressure media.