

# Master Pressure Gauges

**MODEL : MPG**

## Features

- Accuracy class  $\pm 0.25\%$  FSD
- Rugged construction
- 1.2 fold over range capability for short duration
- Traceability to national/International standard/laboratory
- Special carrying case (wooden box) with each gauge



## Specifications

<b>Ref. Standard</b>	EN 837
<b>Normal size</b>	150 mm / 250 mm
<b>Case &amp; Bezel</b>	SS304 / SS316
<b>Dial</b>	Anti parallax mirror type, white, with black markings.
<b>Window</b>	Instrument glass
<b>Pointer</b>	Balanced knife edge
<b>Measuring element</b>	Bourdon in SS316 Ti
<b>Movement</b>	Precision brass, jewel bearings
<b>Connection</b>	1/2" NPT (M), bottom or back eccentric in SS316
<b>Range</b>	760 mm Hg Vac upto 600 bar g (Refer table -1)
<b>Scale</b>	Bar(g), kg/cm2(g), PSI(g)
<b>Accuracy</b>	$\pm 0.25\%$ FSD
<b>Over range</b>	1.2 times maximum rating for short duration
<b>Suitability</b>	Media up to 50°C ambient (-) 25°C to 60°C
<b>Option</b>	<b>Pressure Comparator</b> Pressure Comparator consists of a hand operated Screw Pump, Reservoir for filling the System, Shut-off / Relieve Valves. Fluid Pressure is generated by operating the Screw Pump; and the pressure is made available at two test ports - one for Master Gauge and the other for the Gauge under Test. After testing the pressure is released using Relief Valve. It is easy to operate and provides maintenance free operation.

**Table 1**

Range Bar, kg/cm2	least Count	
	150 mm	250 mm
(-)1 to 0	0.005	0.005
(-)1 to 0.6	0.01	0.005
(-)1 to 1.5	0.02	0.01
(-)1 to 3	0.02	0.02
(-) 1 to 5	0.05	0.02
(-)1 to 9	0.05	0.05
(-)1 to 15	0.1	0.05
(-)1 to 24	0.2	0.1
(-)1 to 39	0.2	0.2
0 to 1	0.005	0.005
0 to 1.6	0.01	0.005
0 to 2.5	0.02	0.01
0 to 4	0.02	0.02
0 to 6	0.05	0.02
0 to 10	0.05	0.05
0 to 16	0.1	0.05
0 to 25	0.2	0.1
0 to 40	0.2	0.2
0 to 60	0.5	0.2
0 to 100	0.5	0.5
0 to 160	1.0	0.5
0 to 250	2.0	1.0
0 to 400	2.0	2.0
0 to 600	5.0	2.0

# Ordering Information

## MODEL : MPG



**MOUNTING**

- V Bottom Entry, Local Mounting
- C Back Entry, Local Mounting
- S Bottom Entry, Surface Mounting
- P Back Entry, Flush Panel Mounting

**DIAL**

- 15 - 150 mm
- 25 - 250 mm

**CASE**

- S4 SS304
- S6 SS316

**CONNECTION**

SIZE	TYPE	MALE / FEMALE	METRIC THREADS
6	1/4"	NT NPT	M Male
10	3/8"	BP BSP	F Female
15	1/2"	BT BSPT	
20	3/4"	PF PF	
25	1"	GS Gas	
32	1.1/4"	NS NPS	
40	1.1/2"		

**OPTION**

- CE CE Certificate
- D Dual Scale
- P Pressure Comparator Bench
- X Accessory - Refer Catalogue ACC

**UNIT**

- A kg/cm<sup>2</sup>(g)
- B Bar(g)
- C PSI(g)
- D kPa(g)
- E mmHg(g)
- H MPa(g)
- X Please Specify

**RANGE**

Refer Table 1