

Master Pressure Gauges



MODEL : MAPG

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

Ref. Standard	EN 837
Normal size	150 mm / 250 mm
Case & Bezel	SS304 / SS316, Weather proof to IP-68
Dial	Anti parallax mirror type, white, with black markings.
Window	Instrument glass
Pointer	Balanced knife edge
Measuring element	Bourdon in SS316 Ti
Movement	Precision brass, jewel bearings
Connection	1/2" NPT (M), bottom or back eccentric in SS316
Range	Refer table
Scale	bar(g), kg/cm ² (g), psi(g)
Accuracy	$\pm 0.25\%$ FSD
Over range	1.2 times maximum rating for short duration
Temperature suitability	Ambient (-)20°C to 60°C, Media 60°C
Temperature Effect	Within $\pm 0.25\%$ FSD/10°C, when temperature changes from reference temperature of 20°C
Option	CE Atex
	Pressure Comparator
	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.
	Pointer Puller Fixer kit

Ranges

Range	least Count	
	bar, kg/cm ²	150 mm 250 mm
(-)1 to 0	0.005	0.005
(-)760 to 0mmHg	5	5
(-)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

For range other than above please contact our design dept.

The parameters mentioned here are the standard specifications / values generally used for most of the Calibration Lab requirements. Any other specification not appearing here also can be provided as per customer requirement.

MODEL



BASIC MODEL CODE
MAPG Master Pressure Gauge

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

DIAL
150 150 mm
250 250 mm

CASE
S4S SS 304
S6S SS 316

BOURDON
S6T SS 316Ti

SOCKET
S6S SS 316

MOVEMENT
BRS Brass

OPTION
ATX Atex
CEM CE marking
DUS Dual Scale
L Nil
ACC Accessory
XXX Other**

UNIT
KSC kg/cm2(g)
BAR bar(g)
PSI psi(g)
KPA kPa(g)
MPA MPa(g)
MBR mbar(g)
MMW mm WC(g)
CMW cm WC(g)
MWC m WC(g)
INW inch WC(g)
MMH mm Hg(g)
CMH cm Hg(g)
INH inch Hg(g)
XXX Other (Please specify)

CONNECTION							
Conn	Code	Size	Code	Type	Code	Male/ Female	Code
Thread	T	1/4"	06	NPS	NS	Male	M
		3/8"	10	NPT	NT	Female	
		1/2"	15	BSP	BP		
		3/4"	20	BSPT	BT		
		1"	25	JIS-PF	PF		
		M20	M20	JIS-PT	PT		
				Gas	GS		
				R	RR		
				Rp	RP		
				Pitch 1.5	C		

RANGE
 Please select from Table

** Pressure Comparator and Pointer Puller & Fixer kit to be ordered separately

e.g. For 1/2"NPT(M), Code: **T15NTM**
 For M20x1.5 (F), Code: **TM20CF**

Sample Model Code: MAPG-V-150-S4S-S6T-S6S-BRS-T15BPM-(0-25)-BAR-L