

# TEST PRESSURE GAUGE TYPE MP

Max. range 1000 bar - Dial size 100, 150, 200, 250 mm - Mounting Direct, bottom connection, Wall, back Clamp

## DESIGN FEATURES

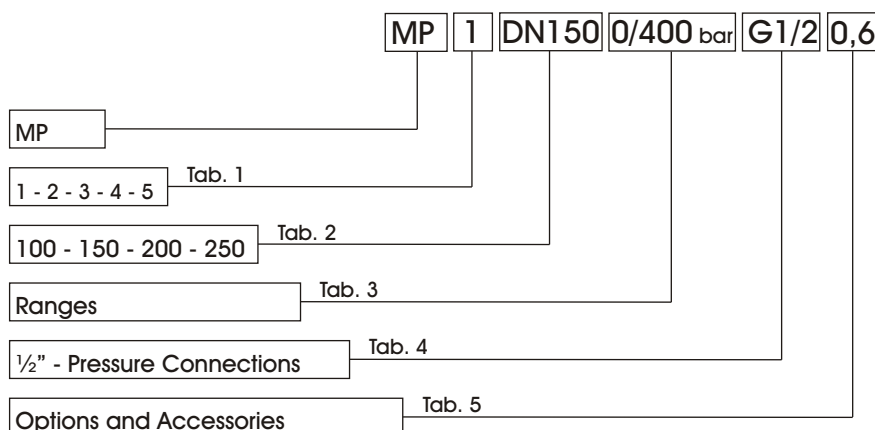
DIAL SIZE (DS):	mm 100 - 150 - 200 - 250
ACCURACY:	0,25 (0,6 for Ø 100 and ranges from 60 to 400 mbar) according EN837-1.
CASE and RING:	Stainless Steel AISI304 with bayonet clutch; nitrile rubber NBR safety plug.
PRESSURE CONNECTION:	S.S. AISI 316; thread G1/2" A UNI ISO 228/1
ELASTIC ELEMENT:	
From 60 to 400 mbar	Phosphorous bronze bellow - only for gaseous fluids
From 0,6 to 1000 bar	CuBe seamless tube
From 0,6 to 1000 bar Class 0,6	S.S. AISI 316L seamless tube
MOVEMENT:	High precision clockwork alloy, pinion and bolt of the sector mounted on bushes in semi precious stone.
POINTER:	Adjustable in black anodized aluminium; knife execution.
WINDOW:	Glass 3 mm thick.
WINDOW GASKET:	Nitrile rubber NBR.
DIAL:	White aluminium; black scale and graduation with anti-parallax mirror ring.



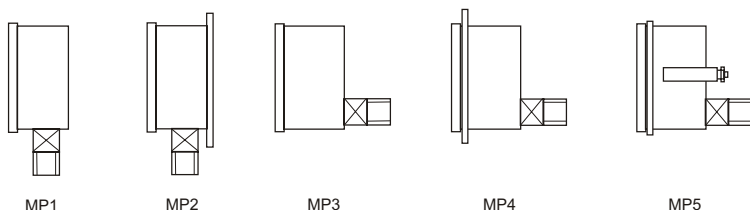
## TECHNICAL CHARACTERISTICS

<b>OPERATING PRESSURE</b>	
Constant: full scale.	Changeable: 90% full scale.
<b>OPERATING TEMPERATURE</b>	
Ambient: 10 ÷ 30 °C.	Process fluid: max 60 °C
<b>OVERPRESSURE</b>	
Up to 60 bar: 25% F.S.v	From 100 bar: 15% F.S.V.
<b>THERMAL DRIFT:</b>	
Max ±0,05% of span every 10°C of deviation from the reference temperature of 20 °C	
<b>PROTECTION:</b>	
IP55 according to EN 60529	

## ORDERING CODE



## MOUNTING Tab. 1



- MP1 Direct, bottom connection.
- MP2 Wall with 3 holes flange; bottom connection.
- MP3 Direct, back connection.
- MP4 Flush with 3 holes flange; back connection.
- MP5 Flush with U clamp, back connection.

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## DIAL SIZE (DS) Tab. 2

DS 100 - DS 150 - DS 200 - DS 250

## RANGES Tab. 3

Range mbar	Nr of division	Scale Interval mbar
0 / 60*	300	0,2
0 / 100*	200	0,5
0 / 160*	320	0,5
0 / 250*	250	1
0 / 400*	200	2
0 / 600	300	2
0 / 1000	200	5

\*Only DS 150

Range bar	Nr of division	Scale Interval bar
-1 / 0	200	0,005
0 / 0,6	300	0,002
0 / 1	200	0,005
0 / 1,6	320	0,005
0 / 2,5	250	0,01
0 / 4	200	0,02
0 / 6	300	0,02
0 / 10	200	0,05
0 / 16	320	0,05

Range bar	Nr of division	Scale Interval bar
0 / 25	250	0,1
0 / 40	200	0,2
0 / 60	300	0,2
0 / 100	200	0,5
0 / 160	320	0,5
0 / 250	250	1
0 / 400	200	2
0 / 600	300	2
0 / 1000	200	5

Equivalent units and ranges for pressure or vacuum

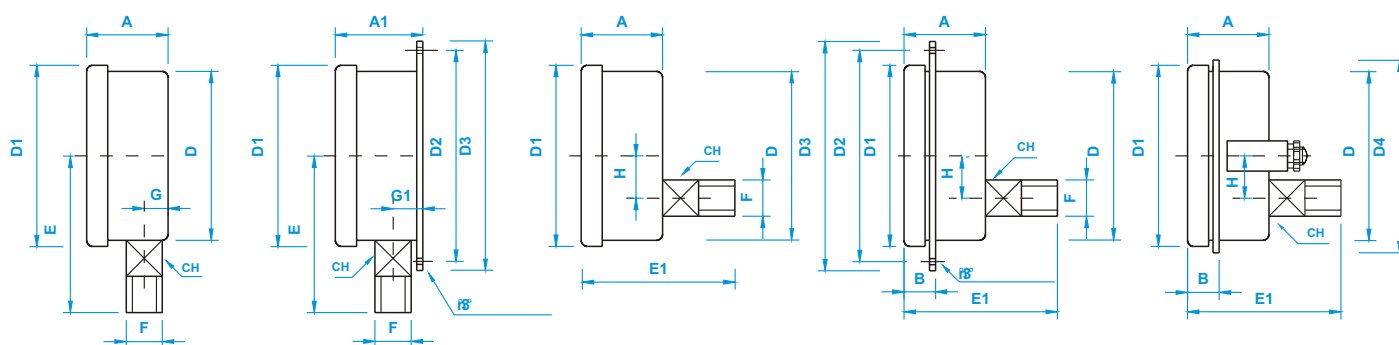
## PRESSURE CONNECTION tab. 4

1/2" Gas Male

## OPTION and ACCESSORIES tab. 5

- SPECIAL SCALES:  
Single - Double  
Quadruple: 0/20 psi - 0/1,4 bar - 0/100% lin. - 0/10 quadratic
- CLASS OFF PRECISION 0,6
- LIQUID FILLING (CLASS OF PRECISION 0,6)
- FLANGE PRESSURE CONNECTION  
Ø 40 mm with clamping lugs (max 60 bar)
- CASE
- CALIBRATION CERTIFICATE ISSUED BY SIT  
(Calibration service in Italy)

## DIMENSION (mm) and WEIGHTS (Kg)



DS DIAL SIZE	D	D1	D2	D3	D4	Ø	A	A1	B	CH	E	E1	F	G	G1	H	Ø Panel drilling	Weight
100	101	114	116	132	115	5	54	58	25	22	86	89	1/2"	18	22	32	105	0,8
150																		
0/60 ÷ 0/400 mbar	158	162	178	195	162	6	85	89	25	22	111	121	1/2	12	17	50	162	1,5
0/0,6 ÷ 0/1000 bar	149	162	178	195	162	6	54	58	25	22	110	89	1/2	18	22	50	153	1,2
200	189	208	216	230	208	6	55	63	25	22	135	95	1/2	16	23	50	194	1,5
250	239	258	270	290	258	6	55	63	25	22	160	95	1/2	16	23	50	245	1,8