

APPLICATIONS

- Calibration & Test Labs
- Testing of Industrial Gauges

FEATURES

- High resolution dial
- Follows IS 3624 / EN 837-1 / ASME B40.100
- Accuracy as per $\pm 0.25\%$ / CL 0.25
- Anti Parallax Mirror Band
- Jewel bearing movement



TEST / MASTER PRESSURE GAUGE -TMC08

DESCRIPTION

General

Design : EN 837-1

Accuracy : $\pm 0.25\%$ of full scale

Ambient temperature : -40...+65°C
[without dampening liquid]

Service temperature : 65°C max.

Pressure limits : Steady pressure up to FS value
Fluctuating pressure up to 90% of FS value

Short time 130% of FS value for range up to 100 bar

Short time 115% of FS value for range above 100 bar

Weld joints : Tig Welded / Silver Brazing

Protection class as per EN 837-1 : S1

Material of construction

Sensing element : Bourdon Tube

[<100 bar : C - type , >100 bar : Helical]

Case & Ring material : AISI 304 SS [Bayonet type]

Bourdon tube & Shank : AISI 316L SS / Copper Alloy

[Shank welded directly to case for rigidity in vibration field]

Movement mechanism : Copper Alloy Jewel Bearing

Movement

Dial : Aluminum, Anti parallax mirror band ,Green background

Pointer : Knife Edge Micro-zero adjustable, aluminum, black powder coated,

Gaskets, Blow off disc & filling plug : Neoprene / NBR

Window : Shatterproof safety glass

Standard version

Dial size : 150 mm / 250 mm

Range : -1 - 0 - 1000 bar

Mounting pattern : Direct Bottom

Process connection : ½" NPT (M) / ½" BSP (M)

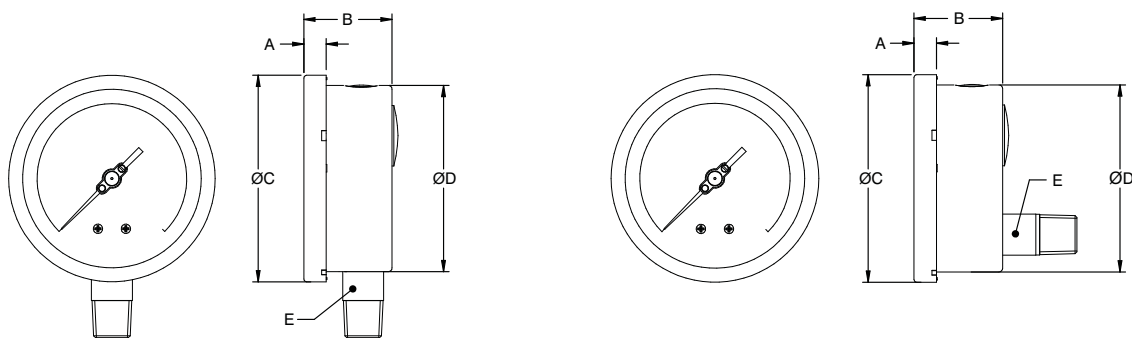
Ingress protection : IP 65

Execution : Dry

Temperature effect

When temperature of the measuring system deviates from reference temperature (+20°C):
max $\pm 0.4\%$ / 10K of full scale value.

DIMENSIONAL DRAWING



NOTES:

1. Drawing not to scale. All dimensions are in mm.
2. For other mounting details, Panel cut-out dimensions, kindly contact factory.

NS	A	B	ØC	ØD	E
150	15	48	161	149	A/F-22
250	18.5	50	263	250	A/F-22

ORDERING CODES

MODEL						TMC08
TMC08	Test / Master pressure gauge					
DIAL SIZE						
D6	6" / 150 mm	D10	10" / 250 mm			D6
MOUNTING						
M1	Direct bottom	M6	Direct lower back	M7	Direct lower back with front flange	M1
M2	Direct bottom with Back flange	M8	Direct lower back with panel mounting clamp			
CONNECTION						
P4	¼" NPT (M)	P8	½" NPT (M)	P20	M20 X 1.5 mm (M)	P8
P3	¼" BSP (M)	P5	3/8" BSP (M)	P7	½" BSP (M)	
CASE FILLING						
F1	Dry	F2	Dry but fillable			F2
S03	AISI 316L SS	S05	MONEL	S13	COPPER ALLOY	S03
INGRESS PROTECTION						
I1	IP 65	I6	IP 68			I1
RANGE						
0-10 bar	Please mention range required with the measurement unit [TMCofer in all types of National & International measurement units, e.g. kg/cm², psi, kPa, etc. with single or dual scales]					0-10 bar
OPTIONAL EXTRAS						
E33	AISI 316 SS case & ring	E43	Internal overload stop	E44	Internal Vacuum stop	E16/E27
E04	AISI 316 SS movement	E05	Dampened movement	E06	Maximum Reading pointer	
E10	Over range protection 1.5xFS	E12	Epoxy coating (Case & Ring)	E13	Receiver gauge	
E16	5 - point calibration certificate	E17	Material test certificate 3.1	E22	Tested to NACE standards	
E20	Cleaned for Oxygen service	E26	Accuracy ±0.5%	E27	AISI 304 SS tag plate	
E28	AISI 316 SS tag plate	E46	External zero adjustment	E32	Dial tag marking	
E31	Custom esigned dial					

Ordering Example : TMC08-D4.M1.P8.F2.S03.I1/0-10 bar/E16/E27