

APPLICATIONS

- Liquid & gaseous mediums
- Oil & Gas applications
- Food & Beverages

FEATURES

- Follows IS 3624 / EN 837-1 / ASME B40.100
- Accuracy as per $\pm 1.6\%$ / CL 1.6 / Grade A
- Dry / Fillable / Liquid filled



COMMERCIAL PRESSURE GAUGE STEEL CASE, TMC05-2

Standard version

Dial size : 40 mm / 50 mm / 63 mm /
80 mm / 100 mm / 150 mm / 250 mm

Range : -1...0...700 bar

Mounting pattern : Direct Bottom

Process connection : 1/4" NPT (M) /
1/4" BSP (M) / 1/2" NPT (M)

Ingress protection : IP 44

Execution : Dry

DESCRIPTION

General

Design : EN 837-1

Accuracy : $\pm 2.5\%$ of full scale

Ambient temperature : -30...+65°C

Service temperature : 150°C max.

Pressure limits : Steady pressure up to 75% of 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

Joints : Silver alloy brazing / soldering

Material of construction

Sensing element : Bourdon Tube

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

Case & Ring material : Mild Steel [MS], powder coated
painted [Push fit type]

Bourdon tube & Shank : Copper Alloy

Movement mechanism : Copper Alloy

Dial : Aluminum, black graduation on white background

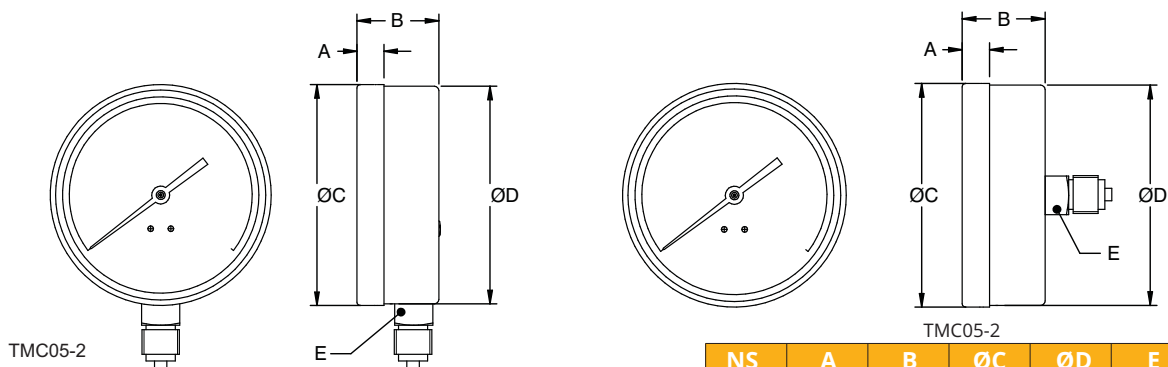
Pointer : Fixed, aluminum, black powder coated

Window : Sheet glass

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
50	10	29	53	52	14
63	12	29	63	62	14
80	12	35	78	76	14
100	12	37	98.5	97	17
150	16	43	155	154	17
250	37.5	51	252	249	22

ORDERING CODES

MODEL

TMC05-2 Commercial pressure gauge (MS Case)

TMC05-2

DIAL SIZE

D0	1.5" / 40 mm	D1	2" / 50 mm	D2	2.5" / 63 mm
D3	3" / 80 mm	D4	4" / 100 mm	D6	6" / 150 mm
D1	10" / 250 mm				

D2

MOUNTING

M1	Direct bottom	M9	Direct center back with front flange
M2	Direct bottom with Back flange	M10	Direct center back with panel mounting bracket
M5	Direct center back		

M5

CONNECTION

P4	¼" NPT (M)	P6	3/8" NPT (M)	P8	½" NPT (M)
P3	¼" BSP (M)	P5	3/8" BSP (M)	P7	½" BSP (M)
P1	1/8" BSP (M)	P2	1/8" NSP (M)		

P4

CASE FILLING

F1	Dry
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F1

WETTED PARTS

S12	Copper alloy
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S12

INGRESS PROTECTION

I5 IP 44

I5

RANGE

0-10 bar Please mention range required with the measurement unit
[TMC offer 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

E23 Cleaned for Oxygen service

E23

Ordering Example : TMC05-2.D2.M5.P4.F1.S12.I5/0-10 bar/E23