

APPLICATIONS

- Liquid & gaseous mediums
- Corrosive environments
- Oil & Gas applications
- Chemical & Petrochemical
- Food & Beverages
- Clean- air applications

FEATURES

- Compact design
- Copper alloy measuring system
- Stainless steel case & ring
- Low pressure application (<0.6 bar)
- Zero adjustment on dial

DESCRIPTION

General

Design : EN 837-3

Accuracy : $\pm 1.6\%$ of full scale

Ambient temperature : -40...+65°C

Service temperature : 100°C max.

Pressure limits : Steady pressure up to 75% of FS value
No over-pressure

Weld joints : Silver Alloy bracing [for Copper alloy system]

Material of construction

Sensing element : Capsule

Case & Ring material : AISI 304 SS (Bayonet type)

Capsule & Shank : AISI 316 SS / Copper alloy

Movement mechanism : Copper alloy

Dial : Aluminum, black graduation on white background
with zero adjustment on dial

Pointer : Fixed, aluminum, black powder coated

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

Window : Sheet glass / Shatterproof Safety Glass



COPPER ALLOY -CAPSULE PRESSURE GAUGE, TMC09-2

Standard version

Dial size : DN63 / DN100 / DN150

Range : 25 mbar...0...600 mbar

Mounting pattern : Direct, Bottom connection

Process connection : ¼" OR ½" NPT (M) / BSP (M)

Ingress protection : IP 65

Execution : Dry

Filled versions

Glycerin

Accuracy : $\pm 4\%$ of full scale

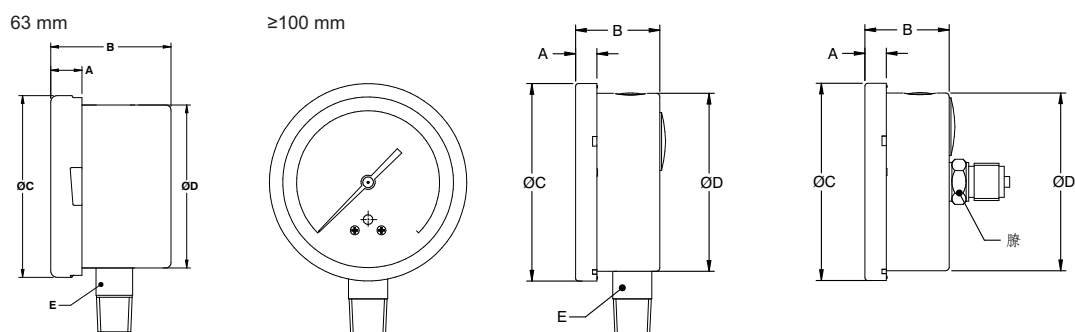
Ranges : ≥ 100 mbar

Dampening liquid : Glycerin + Water [20%+80%]

Temperature effect

When temperature of the measuring system deviates from reference temperature (+20°C) :
max error $\pm 0.4\%$ / 10K of true 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
63	12	43	70	62.5	SQ.14
100	12	90	111	100	A/F-22
150	15	90	161	149	A/F-22

ORDERING CODES

MODEL						TMC09-2	
TMC09-2		Copper Alloy	Capsule Pressure Gauge				
DIAL SIZE						D4	
D2	2.5" / 63 mm		D4	4" / 100 mm			
				D6	6" / 150 mm		
MOUNTING						M1	
M1	Direct bottom		M2	Direct bottom with Back flange			
M9	Center back with front flange		M10	Direct center back with panel mounting clamp			
CONNECTION						P08	
P04	¼" NPT (M)		P08	½" NPT (M)			
P03	¼" BSP (M)		P05	3/8" BSP (M)			
				P20	M20 X 1.5 mm (M)		
				P07	½" BSP (M)		
CASE FILLING						F1	
F1	Dry						
WETTED PARTS						S02	
S12	Cu alloy						
INGRESS PROTECTION						I1	
I1	IP 65						
RANGE						0-100 mbar	
0-100 mbar	Please mention range required with the measurement unit [TMC offer in all types of National & International measurement units, e.g. mmH2O, etc. with single or dual scales]						
OTHER OPTIONS						E16/E27	
E16	5 - point calibration certificate		E31	Custom designed dial			
E28	SS tag plate, AISI 316 SS		E27	SS tag plate, AISI 304 SS			
				E32	Dial tag marking		
				E33	AISI 316 SS case & ring		

Ordering Example : TMC09-2-D4.M1.P08.F1.S02.I1/0-100 mbar/E16/E27