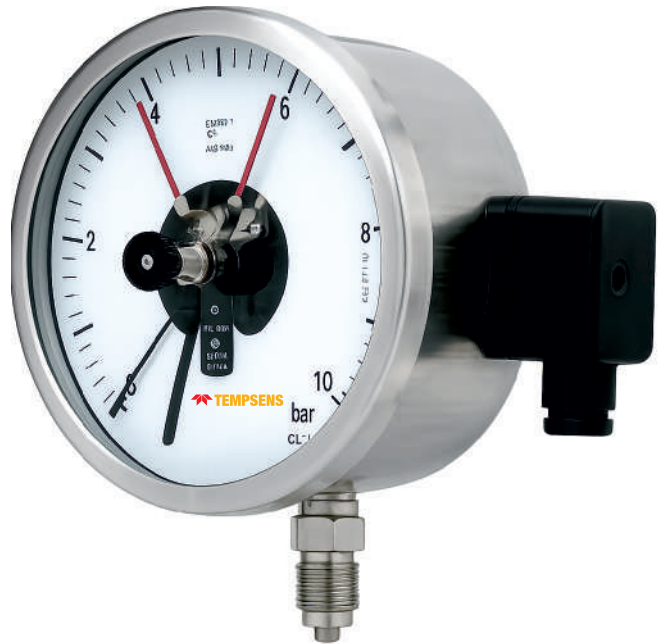


APPLICATIONS

- Pumps & motor controls
- Water treatment plants
- Hydraulic & pneumatics
- Chemical & petrochemicals
- Pharmaceutical industries
- HVAC & compressor industries
- Refrigeration

FEATURES

- All SS measuring system
- Socket-case, direct welded
- CE marked contacts
- Liquid filled versions



ELECTRIC CONTACT PRESSURE GAUGE HEIGHTENED CASE TMC07

DESCRIPTION

General

Design : EN 837-1

Accuracy : $\pm 1.0\%$ of full scale (Gauge)
 $\pm 4\%$ of full scale (Contact)

Ambient temperature :

-40...+65°C [without dampening liquid]
 -20...+65°C [with dampening liquid]

Service temperature : 200°C max.

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

Weld joints : TIG argon arc welding

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 / Monel

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

Movement mechanism : AISI 304 SS

Dial : Aluminum, black graduation on white background

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

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

Window : Shatterproof safety glass

Standard version

Dial size : DN100 / DN150

Range : -1 - 0 - 1,600 bar

Mounting pattern : Direct, Bottom connection

Process connection : $\frac{1}{2}$ " NPT (M) / $\frac{1}{2}$ " BSP (M)

Ingress protection : IP 65

Execution : Dry / Dry but fillable

Switch : Make contact (1NO)

Electrical termination : 4 pin PG 13.5 connector

Filled versions

Dielectric oil Accuracy : $\pm 2.0\%$ of full scale

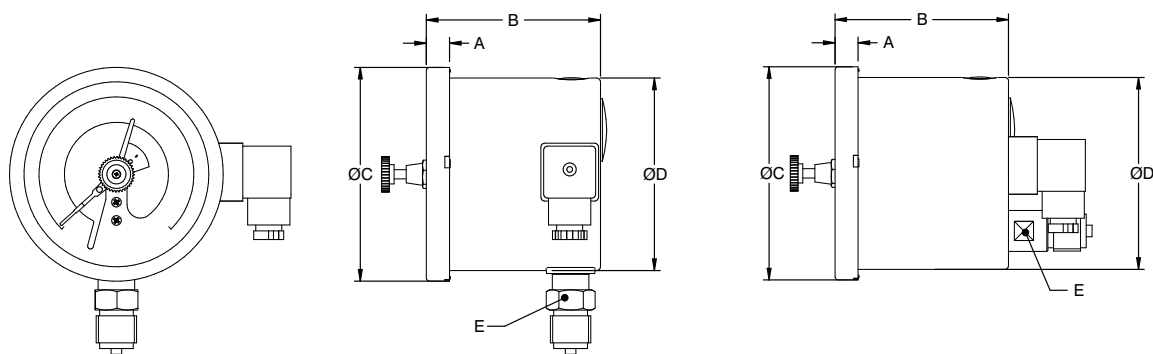
Gasket, Blow off disc & filling plug : NBR / Viton

Dampening liquid : Dielectric oil

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:

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

NS	A	B	ØC	ØD	E
100	12	66.5	111	100	A/F-22
150	15	68.5	161	149	A/F-22

ORDERING CODES

MODEL

TMC07 Electric contact pressure gauge - Heightened case

TMC07

DIAL SIZE

D4 4" / 100 mm **D6** 6" / 150 mm

D4

MOUNTING

M1 Direct bottom **M6** Direct lower back **M7** Direct lower back with front flange
M2 Direct bottom with Back flange **M8** Direct lower back with panel mounting clamp

M1

CONNECTION

P04 ¼" NPT (M) **P08** ½" NPT (M) **P20** M20 X 1.5 mm (M)
P03 ¼" BSP (M) **P05** 3/8" BSP (M) **P07** ½" BSP (M)

P08

CASE FILLING

F1 Dry **F9** Dielectric oil filled

F2

WETTED PARTS

S03 AISI 316L SS **S05** MONEL **S01** AISI 304 SS

S03

INGRESS PROTECTION

I1 IP 65 **I6** IP 68

I1

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

ELECTRIC CONTACT TYPE [RATING - MAGNETIC CONTACTS : 45mA@230VAC, INDUCTIVE CONTACT : 8VAC]

N1 Magnetic Contact - 1NC **N2** Magnetic Contact - 1NO **N3** Magnetic Contact - 1NC & 1NO
N4 Magnetic Contact - 2NC **N5** Magnetic Contact - 2NO
N6 Inductive Contact - 1NC **N7** Inductive Contact - 1NO **N8** Inductive Contact - 1NC & 1NO
N9 Inductive Contact - 2NC **N10** Inductive Contact - 2NO
N11 1 SPDT **N12** 1 DPDT

N1

OPTIONAL EXTRAS

E33 AISI 316 SS Case & Ring **E04** AISI 316 SS movement **E14** Rubber parts, Viton
E16 5-point calibration certificate **E17** Material test certificate 3.1 **E22** Tested to NACE standards
E27 AISI 304 SS tag plate **E32** Dial tag marking **E31** Custom designed dial

E16/E27

Ordering Example : TMC07-D4.M1.P08.F2.S03.I1/0-10 bar/N1/E16/E27



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