

TEST / MASTER PRESSURE GAUGE TGI08

APPLICATIONS

- Calibration & Test Labs
- Testing of Industrial Gauges

FEATUERS

- 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 -TGI08

DESCRIPTION

General

Design : EN 837-1

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

Ambient temperature : $-40 \dots +65^\circ\text{C}$ [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 : $\frac{1}{2}$ " NPT (M) / $\frac{1}{2}$ " BSP (M)

Ingress protection : IP 65

Execution : Dry

Temperature effect

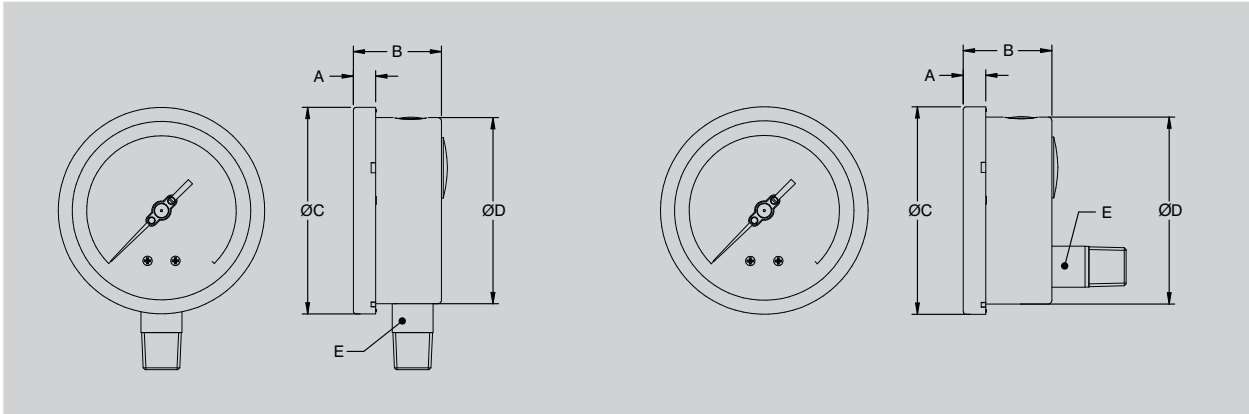
When temperature of the measuring system deviates from reference temperature ($+20^\circ\text{C}$):

max $\pm 0.4\%$ / 10K of full scale value.

STAINLESS STEEL PRECISION PRESSURE GAUGE

TGI01

DIMENSIONAL DRAWING



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

NOTES

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

ORDERING CODES

MODEL

TGI08 Test / Master pressure gauge

DIAL SIZE

D6 6" / 150 mm **D10** 10" / 250 mm

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

CONNECTION

P4 ¼" NPT (M) **P8** ½" NPT (M) **P20** M20 X 1.5 mm (M)
P3 ¼" BSP (M) **P5** 3/8" BSP (M) **P7** ½" BSP (M)

CASE FILLING

F1 Dry **F2** Dry but fillable

S03 AISI 316L SS **S05** MONEL **S13** COPPER ALLOY

INGRESS PROTECTION

I1 IP 65 **I6** IP 68

RANGE

0-10 bar Please mention range required with the measurement unit
[TGI offer in all types of National & International measurement units, e.g. kg/cm², psi, kPa, etc. with single or dual scales]

OPTIONAL EXTRAS

E33 AISI 316 SS case & ring **E43** Internal overload stop **E44** Internal Vacuum stop
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 designed dial

Ordering Example : TGI08-D4.M1.P8.F2.S03.I1/0-10 bar/E16/E27