

COPPER ALLOY -CAPSULE PRESSURE GAUGE

TGI09-2

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



COPPER ALLOY -CAPSULE PRESSURE GAUGE, TGI09-2

DESCRIPTION

General

Design : EN 837-3

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

Ambient temperature : $-40 \dots +65^{\circ}\text{C}$

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

Standard version

Dial size : DN63 / DN100 / DN150

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

Mounting pattern : Direct, Bottom connection

Process connection : $\frac{1}{4}$ " OR $\frac{1}{2}$ " NPT (M) / BSP (M)

Ingress protection : IP 65

Execution : Dry

Filled versions

Glycerin

Accuracy : $\pm 4.0\%$ of full scale

Ranges : ≥ 100 mbar

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

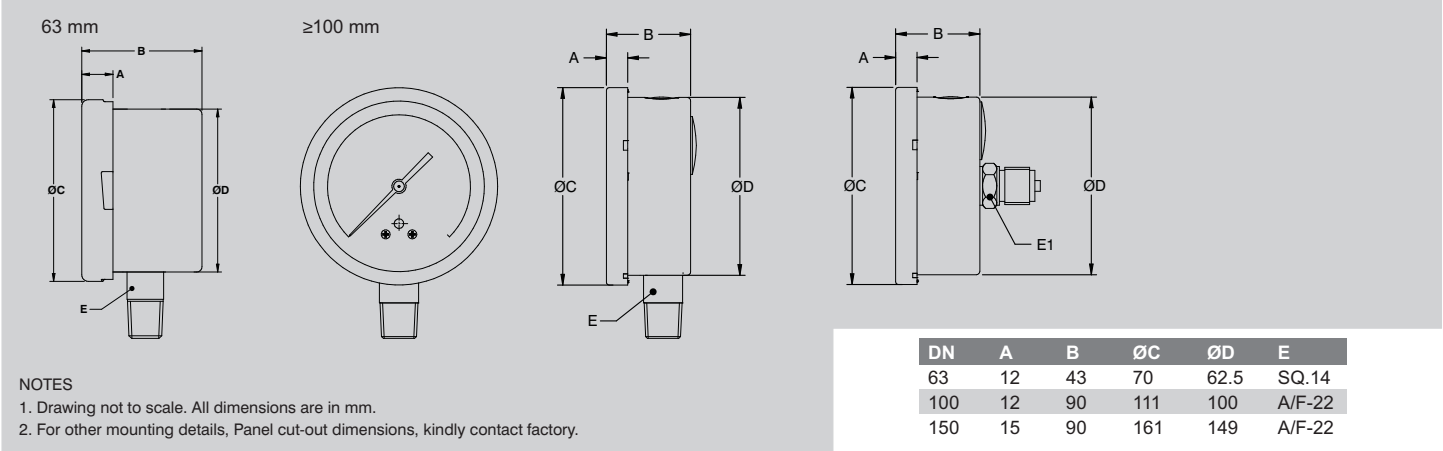
Temperature effect

When temperature of the measuring system deviates from reference temperature ($+20^{\circ}\text{C}$) :
max error $\pm 0.4\%$ / 10K of true scale value.

COOPER ALLOY CAPSULE PRESSURE GAUGE

TGI09-2

DIMENSIONAL DRAWING



ORDERING CODES

MODEL						TGI09-2		
TGI09-2 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			M5	Direct center back
M9	Center back with front flange		M10	Direct center back with panel mounting clamp				
CONNECTION						P08		
P04	1/4" NPT (M)		P08	1/2" NPT (M)			P20	M20 X 1.5 mm (M)
P03	1/4" BSP (M)		P05	3/8" BSP (M)		P07	1/2" 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 [TGI 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			E32	Dial tag marking
E28	SS tag plate, AISI 316 SS		E27	SS tag plate, AISI 304 SS		E33	AISI 316 SS case & ring	

Ordering Example : TGI09-2-D4.M1.P08.F1.S02.I1/0-100 mbar/E16/E27