

GENERAL PURPOSE STAINLESS STEEL PRESSURE GAUGES

ZIPLO2

APPLICATIONS

- Liquid & gaseous mediums
- Corrosive environments
- Oil & Gas applications
- Chemical & Petrochemical
- Food & Beverages
- Nuclear power plants

FEATURES

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



GENERAL PURPOSE SS PRESSURE GAUGE, ZIPLO2

DESCRIPTION

General

Design : EN 837-1

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

Ambient temperature : -40...+65°C [without dampening liquid]

-40...+65°C [with dampening liquid filled silicon oil]

Service temperature : 300°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 argon arc welding

Protection class as per EN 837-1 : S1 (80 mm & 100 mm)

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 316 SS / AISI 316L SS

Movement mechanism : AISI 304 SS

Dial : Aluminum, black graduation on white background

Pointer : Fixed, aluminum, black powder coated

Gaskets & filling plug : Neoprene / NBR

Window : Plexi glass

Standard version

Dial size : 50 mm / 63 mm / 80 mm / 100 mm

Range : -1...0...1,000 bar

Mounting pattern : Direct Bottom

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

Ingress protection : IP 65

Execution : Dry / Dry but fillable

Filled versions

Glycerin

Window : Shatterproof safety glass

Dampening liquid : Glycerin 99.7% / 80% / 60%
[Service temperature -20°C up to 65°C]

Silicon Oil

Window : Shatterproof safety glass

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

Dampening liquid : Silicon oil DC 200

[Service temperature -40°C up to 150°C]

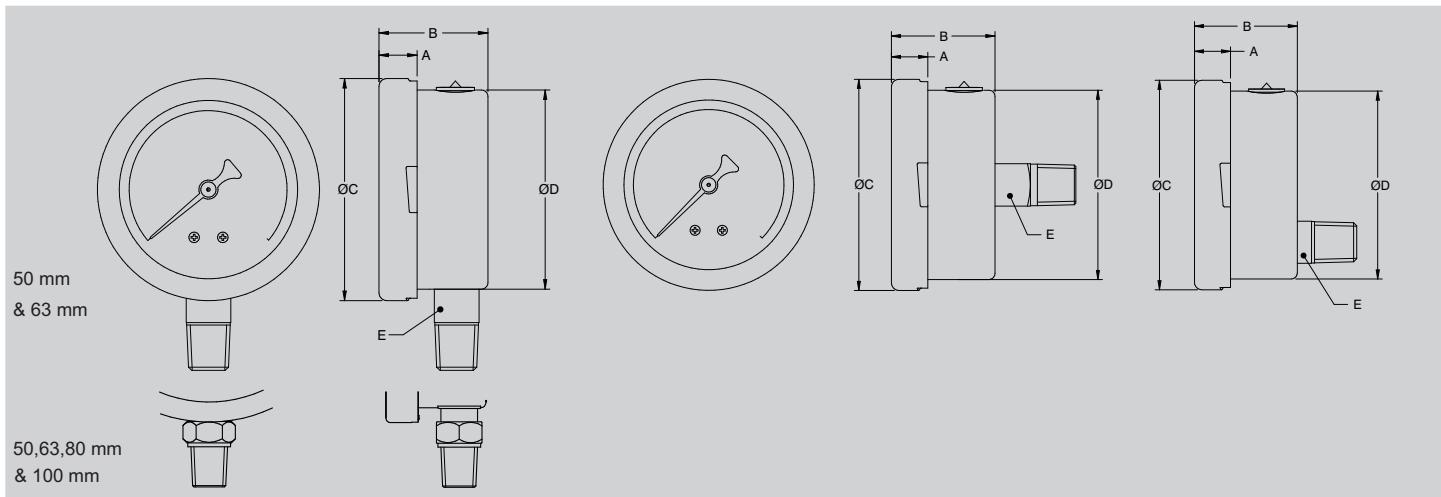
Temperature effect

When temperature of the measuring system deviates from reference temperature (+20°C):
max $\pm 0.4\%$ / 10K of full scale value.

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ZIPLO2

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	OC	OD	E
50	9	34	58.5	52	A/F14
63	12	33	69.7	62.5	A/F14
80	9.5	33.5	89.5	80	14
100	12	38	111	100	14

ORDERING CODES

MODEL

ZIPLO2 General purpose stainless steel pressure gauge

ZIPLO2

DIAL SIZE

D1 2" / 50 mm
D4 4" / 100 mm

D2 2.5" / 63 mm

D3 3" / 80 mm

D2

MOUNTING

M1	Direct bottom	M9	Direct center back with front flange (Exp in D1/D3)
M2	Direct bottom with Back flange (Exp in D1)	M10	Direct center back with panel mounting clamp (Exp in D1/D3)
M5	Direct center back	M7	Direct lower back with front flange (Exp in D1/D3)
M6	Direct lower back (Exp in D1)	M8	Direct lower back with panel mounting clamp (Exp in D1/D3)

M1

CONNECTION

P4 1/4" NPT (M)
P3 1/4" BSP (M)
P1 1/8" BSP (M)

P2 1/8" NPT (M)
P6 3/8" BSP (M)

P8 1/2" NPT (M)
P7 1/2" BSP (M)

P4

CASE FILLING

F1	Dry	F2	Dry but fillable	F3	Glycerin filled
F4	Silicon oil filled				

F3

WETTED PARTS

S03	AISI 316L SS	S01	AISI 304 SS
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S03

INGRESS PROTECTION

I1	IP 65	I3	IP 67
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I1

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]

0-10 bar

OPTIONAL EXTRAS

E33	AISI 316 SS case & ring	E23	Cleaned for Oxygen service	E06	Maximum Reading pointer (In D2/D4)
E16	5 - point calibration certificate	E17	Material test certificate 3.1	E28	AISI 316 SS tag plate
E27	AISI 304 SS tag plate	E32	Dial tag marking		

E16/E27

Ordering Example **ZIPLO2-D2.M1.P4.F3.S03.I1/0-10 bar/E16/E27**