

PISTON DIFFERENTIAL PRESSURE GAUGE TGI14-1

APPLICATIONS

- Clean Room Application
- Filtration Application
- Water Application

FEATURES

- Compact Design
- Static Pressure 100 bar
- Switch -Reed switch
- Dry / liquid filled



PISTON DIFFERENTIAL PRESSURE GAUGE, TGI14-1

DESCRIPTION

General

Accuracy : ± 2 % of full scale -Ascending

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

Service temperature : 200°C max.

Static pressure limits : 100bar, Option :200bar

Material of construction

Sensing element : Ceramic Magnet

Case & Ring material : AISI 304 SS

Wetted Parts : **Piston** : AISI 316 SS, Spring :AISI 302 SS

Chamber : AISI 316 SS

Fastener : AISI 304 SS

Dial : Aluminum, black graduation on white background

Pointer : Fixed Type, aluminum, black powder coated

Gaskets & filling plug : Neoprene

Window : Sheet Glass

Standard version

Dial size : DN63 / DN100 / DN150

Range : 0-0 . 25bar...0...25 bar

Mounting pattern : Bottom / Back / Inline Port

Process connection : 1/4" NPT (F) x 2 Nos.

Ingress protection : IP 65

Execution : Dry / Dry but fillable /Fillable

Filled versions

Glycerin

Accuracy : ± 4.0 % of full scale

Dampening liquid : Glycerin 99.7%

Switch / Contact version

Accuracy : ± 4.0 % of full scale

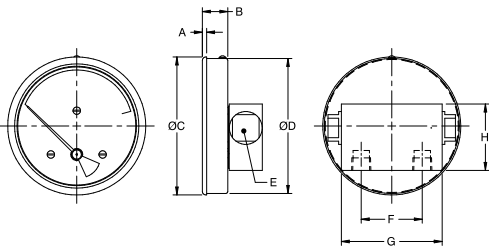
Window : Plexi Glass

Switch : 1 SPDT / 1 SPST

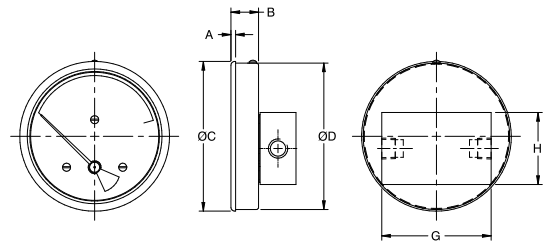
PISTON DIFFERENTIAL PRESSURE GAUGE

TGI14-1

DIMENSIONAL DRAWING



DN	A	B	C	D	E	F	G	H	Weight (grams)
63	3,2	19,5	66,5	62,5	20	46	76	50	430
100	3,2	19,5	104	101,5	20	46	76	50	460
150	3,2	19,5	155,5	151,5	20	46	76	50	560



DN	A	B	C	D	G	H	Weight (grams)
63	3,2	19,5	66,5	62,5	76	50	410
100	3,2	19,5	104	101,5	76	50	460
150	3,2	19,5	155,5	151,5	76	50	550

NOTES
1. Drawing not to scale. All dimensions are in mm.

ORDERING CODES

MODEL

TGI14-1 Piston Differential Pressure

TGI14-1

Gauge DIAL SIZE

D2 2.5" / 63 mm **D4** 4" / 100 mm **D6** 6" / 150 mm

D4

MOUNTING

M1 Direct bottom **M14** - Direct Back **M11** Inline Type

M1

CONNECTION

P24 1/4" NPT (F) **P07** 1/2" BSP (M) **P08** 1/2" NPT (M)

P24

CASE FILLING

F1 Dry **F2** Dry but fillable **F3** Glycerin filled

F1

WETTED PARTS

S02 AISI 316 SS **S03** AISI 316L SS

S02

INGRESS PROTECTION

I1 IP 65

I1

RANGE

0-1 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]

0-1 bar

ELECTRIC CONTACT

N13 1 SPDT **N23** 1 SPDT **N24** 2 SPDT

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OTHER OPTIONS

E16 5 - point calibration certificate **E31** Custom designed dial **E32** Dial tag marking
E17 Material test certificate 3.1 **E21** Material test certificate 2.2 **E27** SS tag plate, AISI 304 SS

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Ordering Example : TGI14-1.D4.M1.P24.F1.S02.I1/0-1 bar