

APPLICATIONS

- Clean Room Application
- Filtration Application
- Water Application

FEATURES

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

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 : 10 Bar

Material of construction

Sensing element : Ceramic Magnet

Case: AISI 304 SS

Ring material : NBR

Wetted Parts : Viton Diaphragm

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

Filling plug : NBR

Window : Plexi Glass

Encloser : Flame Proof Head



RUBBER DIAPHRAGM DIFFERENTIAL PRESSURE GAUGE- FLAME PROOF HEAD, TMC14-3

Standard version

Dial size : DN63 / DN100 / DN150

Range : 0-75Mbar...0...4 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 with Flame Proof

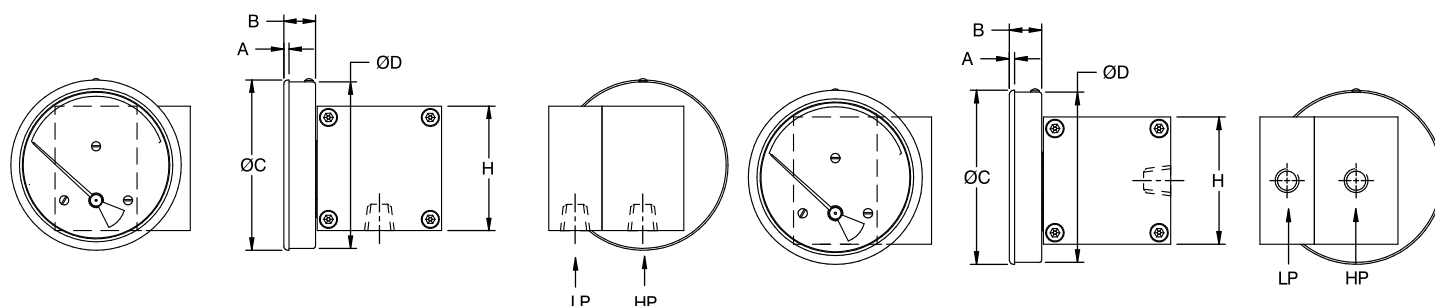
Encloser version

Accuracy : ± 4.0 % of full scale

Window : Plexi Glass

Switch : 1SPDT / 1 SPST

DIMENSIONAL DRAWING



DN	A	B	ØC	ØD	G	H	Weight (grams)
63	3.2	19.5	66.5	63	A/F-20	76	710
100	3.2	19.5	104	102	A/F-20	76	760
150	3.2	19.5	155.5	151.5	A/F-20	76	860

DN	A	B	ØC	ØD	E	H	Weight (grams)
63	2.4	18.6	66.5	63	A/F-20	50	700
100	3.2	19.5	104	102	A/F-20	50	750
150	3.2	19.5	155.5	151.5	A/F-20	50	850

NOTES:

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

ORDERING CODES

MODEL						TMC14-3	
TMC14-3 Rubber Diaphragm Differential Pressure Gauge							
DIAL SIZE						D4	
D2	2.5" / 63 mm		D4	4" / 100 mm		D6	6" / 150 mm
MOUNTING						M1	
M1	Direct bottom		M14 - Direct Back		M11	Inline Type	
CONNECTION						P24	
P24	¼" NPT (F)		P07	½" BSP (M)		P08	½" NPT (M)
CASE FILLING						F1	
F1	Dry		F2	Dry but fillable		F3	Glycerin filled
WETTED PARTS						S02	
S02	AISI 316 SS		S03	AISI 316L SS			
INGRESS PROTECTION						I1	
I1	IP 65						
RANGE						0.75 mbar	
0-1 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]						
ELECTRIC CONTACT						XXX	
N13	1 SPDT		N23	1 SPST		N24	2 SPDT
OTHER OPTIONS						XXX	
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

Ordering Example : TMC14-3.D4.M1.P24.F1.S02.I1/0-0.25 mbar



TEMPSENS MEASUREMENT & CONTROL PVT. LTD.
gauges@tempsens.com | www.tempsens.com