

Specifications

Standard Version : 63 mm, 100 mm & 150mm

Accuracy	:	±1.6% of F.S.
Ambient temperature	:	10 to 60°C
Process temperature	:	10 to 150°C
Operating pressure range	:	75% of Scale Value
Over pressure limit	:	130% of Scale Value

Case & Bezel	:	AISI 304 SS (Bayonet Type)
Socket	:	AISI 304 SS
Bourdon	:	AISI 316L SS
Movement	:	AISI 304 SS
Body	:	AISI 304 SS
Joints	:	Tig Argon Arc Welding
Diaphragm	:	AISI 316L SS
Process Connection	:	¼" BSP (M) Standard Other on Request..

Protection	:	IP 68
Dial	:	Aluminum, black graduation on white background
Pointer	:	Aluminum, black coloured, fixed
Window	:	Plexi Glass
Gasket	:	Neoprene rubber
Filling Plug	:	Neoprene
Sealing Fluid	:	Glycerin

Dry but fillable version (option DFG)

Fillable Dampening Liquid	:	Glycerine 99.7%
Ambient Temperature	:	Maximum 65°C
Process Temperature	:	Maximum 65°C
Other Features	:	Refer Specification of Standard Version

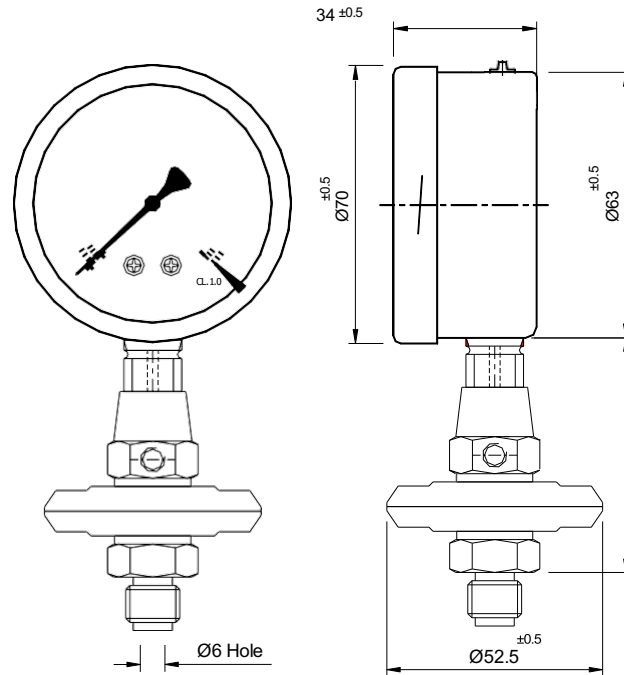
Glycerine filled version (option LFG)

Accuracy	:	±1.6% of F. S.
Process Temperature	:	Maximum 65°C
Ambient Temperature	:	Maximum 65°C
Window	:	Plexi Glass
Dampening Liquids	:	Glycerine 99.7%
Other Features	:	Refer Specification of Standard Version

Temperature effect :

The variation of indication caused by effects of temperature is to be calculated by below formula; which is to be added in the specified accuracy while measurement :- Formula : $\pm 0.08 \times (t_2 - t_1) \% \text{ of F. S.}$ where t_1 = reference temperature (+20°C) and t_2 = ambient temperature in °C.

Dimensions - standard version



63mm Dial Size Gauge Dimensions

Range Table

Note : We offer National / International Scales like kPa, MPa, bar, psi, kg/cm² & Dual Scale like kPa with psi, kPa with bar, bar with psi or Equivalent scales as per the requirement can be provided on request. Following are the example tables for kg/cm² with psi scales.

Pressure range

Range (psi with kg/cm ²)			
psi	kg/cm ²	psi	kg/cm ²
0/30	0/2	0/300	0/21
0/60	0/4	0/400	0/28
0/100	0/7	0/500	0/35
0/150	0/10	0/600	0/42
0/220	0/16	0/1000	0/70

Compound range

Range (mmHg with kg/cm ² & inHg with psi)			
mmHg with kg/cm ²	inHg with psi	mmHg with kg/cm ²	inHg with psi
-760/2	-30/ 30	-760/10	-30/ 150
-760/4	-30/60	-760/14	-30/200
-760/7	-30/100	-760/20	-30/300



Model: BEM22DSG

All SS Pressure Gauge
Compact Diaphragm Type (63 mm & 100mm & 150 mm)

How To Order					Example
Basic Model					CDS
Code					
Nominal Size		20	25	40	XX
Type of Mounting		63 mm	100 mm	150 mm	
2	Direct bottom entry	4	Direct center back entry		X
Diaphragm Sealed Chamber					XX
S4	AISI 304 SS (Standard)	S6	AISI 316 SS		
Diaphragm					XX
SL	AISI 316L (Standard)				
Filling fluids					XX
S1	Silicon DC 200 [-40 to 205°C] (Standard)		S3	Silicon DC 710 [7 to 371°C]	
FG	Food Grade OIL [-20 to 140°C]		SY	Syltherm 800 [-40 to 315°C]	
S2	Silicon DC 704 [10 to 337°C]				
End connection of bottom mating part (* Bore size will be 6 to 8 mm)					XXX
2BM	¼" BSP (M)*	3BM	3/8" BSP (M)		
4BM	½" BSP (M)*	4NM	½" NPT (M)		
Range					0/10 kg/cm ²
Refer range table					
Optional extras					XX
CDD	Custom designed dial		STG	Shatterproof / safety glass	
OXS	Oxygen service (for dry version)		TGS	Toughened glass	
CBS	AISI 316 SS case & bezel		STP	SS tag plate	
LGF	Dampening liquid glycerine filled		FLG	Fillable liquid glycerine	
MTC	Material test certificates*		HLT	Helium leak test	
CRP	Case with rolling type bezel#		EPC	Electro polished case & bezel	