



GOST

### Special Features

- Polypropylene case with SS measuring system
- Wetted parts AISI 316L stainless steel or Brass
- Accuracy  $\pm 0.5\%$  F.S.
- Solid front design features baffle wall interposed between the sensing system, the window and a pressure relieving back for increased safety
- Standard followed ASME - B 40.100

### Application

- Suitable for high pressure gas
- Corrosive / hazardous environment that will not obstruct the pressure system.

### Specifications

Standard Version : 4 1/2"

Accuracy	:	$\pm 0.5\%$ F. S. (As per ASME B40.100)
Ambient temperature	:	- 20°C to + 65°C
Process temperature	:	Max 150°C
Operating pressure range	:	75 % of Scale Value
Over pressure limit	:	$\leq 100$ bar : 125% of Max. Scale Value
	:	$> 100$ to $\leq 600$ bar : 115% of Max. Scale Value
	:	$> 600$ to $\leq 1600$ bar : 110% of Max. Scale Value

Case	:	Fibre Glass Reinforced Polypropylene
Bourdon	:	AISI 316L SS or Brass
Socket	:	AISI 316L SS or Brass
Movement	:	AISI 304 SS
Joints	:	Tig Argon Arc Welding

Protection	:	IP 65
Dial	:	Aluminum, black graduation on white background
Pointer	:	Aluminum, black Colored, Micrometer Zero Adjustable
Window	:	Plexiglas
Blow off Disc	:	Fibre Glass Reinforced Polypropylene
Gasket	:	Compatible with glycerin or silicone

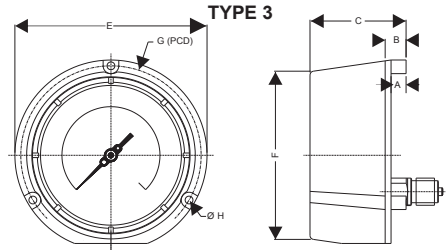
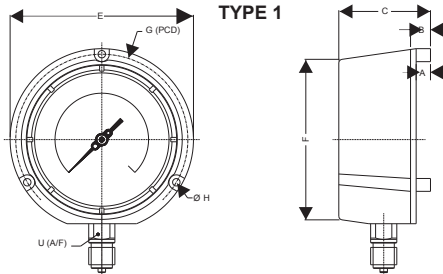
### Dry But Fillable Version (Standard)

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

### Temperature effect:

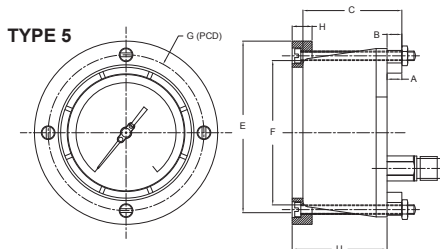
The variation of indication caused by effects of temperature is to be calculated by below formula; which is to be added in the specified accuracy while measurement :- Formula :  $\pm 0.04 \times (t_2 - t_1) \%$  of F. S. where  $t_1$  = reference temperature (+20°C) and  $t_2$  = ambient temperature in °C.

### Dimensions - standard version



NS	A	B	C	E	F	G	H	U	Weight in gram (With Box)	Weight in gram (With Glycerin & Box)
4 1/2"	12.5	24.5	73.5	148	130	137.5	6	22	900.0	1300.00

NS	A	B	C	E	F	G	H	U	Weight in gram (With Box)
4 1/2"	12.5	24.5	73.5	148	130	137.5	6	22	850.0



NS	A	B	C	E	F	G	H	U	Weight in gram (With Box)
4 1/2"	12.5	24.5	73.5	148	130	137.5	6	22	1000.0

Notes : • Drawings are not to scale. • All Dimensions are in mm. • NS = Nominal Size  
 • H - Arrangement for Mounting type 1 • Weights mentioned are approximate and for standard product. • Weight can be different after selection of options.

Note : We offer National / International Scales like kPa, MPa, bar, psi, kg/cm<sup>2</sup> & 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/cm<sup>2</sup> & psi scales

### Pressure ranges

Code	Bar	Code	kPa	Code	kg/cm <sup>2</sup>	Code	psi
C59	-1 ... 0 <sup>3)</sup>	D59	-100 ... 0 <sup>3)</sup>	F59	-1 ... 0 <sup>3)</sup>	H59	-30" Hg ... 0 <sup>3)</sup>
C72	-1 ... 0.6	D72	-100 ... 60	F72	-1 ... 0.6	H73	-30" Hg ... 15
C74	-1 ... 1.5	D74	-100 ... 150	F74	-1 ... 1.5	H75	-30" Hg ... 30
C76	-1 ... 3	D76	-100 ... 300	F76	-1 ... 3	H2C	-30" Hg ... 60
C77	-1 ... 5	D77	-100 ... 500	F77	-1 ... 5	H78	-30" Hg ... 100
C79	-1 ... 9	D79	-100 ... 900	F79	-1 ... 9	H79	-30" Hg ... 150
C81	-1 ... 15	D81	-100 ... 1 500	F81	-1 ... 15	H81	-30" Hg ... 220
C82	-1 ... 24	D82	-100 ... 2 400	F82	-1 ... 24	H82	-30" Hg ... 300
C12	0 ... 0.6 <sup>2)</sup>	D12	0 ... 60 <sup>2)</sup>	F12	0 ... 0.6 <sup>2)</sup>	H13	0 ... 10 <sup>2)</sup>
C15	0 ... 1 <sup>3)</sup>	D15	0 ... 100 <sup>3)</sup>	F15	0 ... 1 <sup>3)</sup>	H15	0 ... 15 <sup>3)</sup>
C16	0 ... 1.6	D16	0 ... 160	F16	0 ... 1.6	H1C	0 ... 20
C18	0 ... 2.5	D18	0 ... 250	F18	0 ... 2.5	H17	0 ... 30
C19	0 ... 4	D19	0 ... 400	F19	0 ... 4	H19	0 ... 60
C20	0 ... 6	D20	0 ... 600	F20	0 ... 6	H21	0 ... 100
C22	0 ... 10	D22	0 ... 1 000	F22	0 ... 10	H22	0 ... 160
C24	0 ... 16	D24	0 ... 1 600	F24	0 ... 16	H23	0 ... 200
C26	0 ... 25	D26	0 ... 2 500	F26	0 ... 25	H25	0 ... 300
C27	0 ... 40	D27	0 ... 4 000	F27	0 ... 40	H26	0 ... 400
C29	0 ... 60	D29	0 ... 6 000	F29	0 ... 60	H27	0 ... 600
C31	0 ... 100	D31	0 ... 10 000	F31	0 ... 100	H30	0 ... 1 000
C33	0 ... 160	D33	0 ... 16 000	F33	0 ... 160	H31	0 ... 1 500
C35	0 ... 250	D35	0 ... 25 000	F35	0 ... 250	H34	0 ... 3 000
C38	0 ... 400	D38	0 ... 40 000	F38	0 ... 400	H38	0 ... 6 000
C39	0 ... 600	D39	0 ... 60 000	F39	0 ... 600	H40	0 ... 10 000
C41	0 ... 1 000 <sup>1)</sup>	D41	0 ... 100 000 <sup>1)</sup>	F41	0 ... 1 000 <sup>1)</sup>	H41	0 ... 15 000 <sup>1)</sup>
C42	0 ... 1 600 <sup>1)</sup>	D42	0 ... 160 000 <sup>1)</sup>	F42	0 ... 1 600 <sup>1)</sup>	H1D	0 ... 20 000 <sup>1)</sup>

How To Order			Example	
<b>Basic Model</b>			AH	
<b>Wetted Material</b>			X	
316L Stainless Steel	G			
Brass	A			
<b>Nominal Size</b>			6	
4 1/2"				
<b>Type of Mounting</b>				
<b>A</b>	Wall / surface / projection mounting with bottom entry			
<b>E</b>	Direct lower back entry (never fillable)		X	
<b>B</b>	Lower back entry with front flange (never fillable)			
<b>Gauge Connection</b>				
<b>J</b>	3/8" BSP (M)			
<b>3</b>	1/2" BSP (M) Standard			
<b>5</b>	1/4" NPT (M) Standard		X	
<b>6</b>	1/2" NPT (M) Standard			
<b>Liquid filling</b>				
Dry			0	
BH2: high viscosity glycerin 99.5% (medium : 0 ... +90°C)			2	
BH1: low viscosity glycerin/water 86% (medium : -20 ... +70°C)			1	
BH3: silicone oil (medium : -40 ... +100°C)			3	
BH4: silicone oil (medium : -60 ... +100°C)			4	
BH5: fluor carbon for oxygene use (160 bar max.) (-15 ... +100°C)			5	
<b>Range</b>			XXX	
Refer range table				
<b>Optional Extras</b>				
<b>TF</b>	Conformity as per NACE Standard	<b>SG</b>	Oxygen service (for dry version)	
<b>TI</b>	Monel Bourdon & socket (Monel version)**	<b>SF</b>	Movement with dampening jelly	
<b>PW</b>	Five point calibration certificate	<b>QB</b>	Integral dampening screw (AISI 316 SS)	X
<b>PU</b>	Calibration certificate traceable to National / International standards	<b>FL</b>	Integral dampening screw (monel)**	
<b>RH</b>	Custom designed dial	<b>RX</b>	Shatterproof/safety glass	

### Ordering example with options

