

PRESSURE GAUGES

PG-SERIES

This all stainless steel pressure gauge is designed for chemical, food processing, petroleum industries. Glycerine-filled design is optional to situations of high frequency pressure fluctuations or surges.

Technical Data

Dial Size: Ø60,75,100,150mm available

Ranges: -1+0 to 0+1000 kgf/cm²(bar, psi) available

Accuracy: Above 100mm±1% F.S.

Case: Stainless steel (SUS304)

Window: Plastic or safety glass

Connection: Stainless steel (SUS316)

Movement: Stainless steel (SUS304) or Option:Brass

Pointer: Black painted, balanced, aluminum alloy

Dial: Aluminum alloy, black and red graduation on white background

Bourdon tube: Stainless steel (SUS316)

Linetea temperature: -20°C to +100°C (process fluid)

Filling liquid (optional): Glycerine or silicone

Overrange protected: up to 130% of full scale value



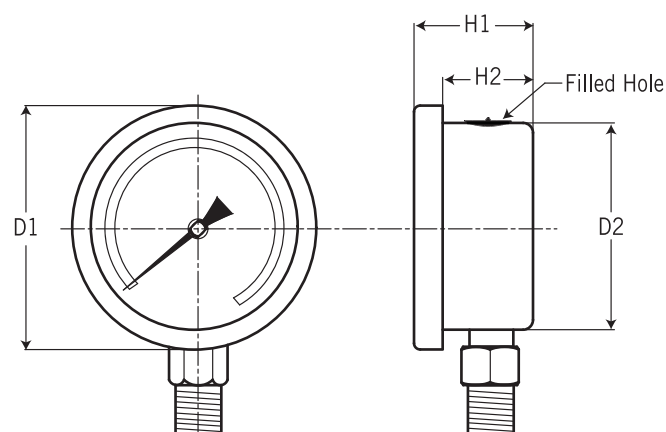
Connection Size as Follows

Size (mm)	Connection Part (NPT/BSPT/BSP)	Case
60	1/4"	Crimped on bezel
75	3/8"	
100	3/8" 1/2"	Crimped on bezel
150	3/8" 1/2"	Crimped on bezel

* For higher temperature available using cooling element, syphon, leader pipe, etc.

Dimensions

TYPE A Bottom connection

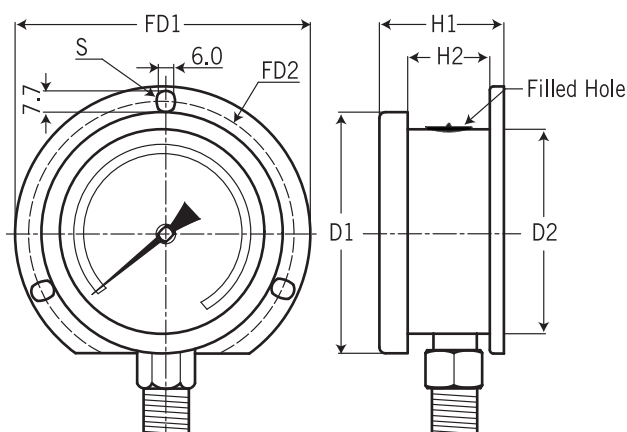


UNIT=MM

TYPE A	D1	D2	H1	H2
60	71	63	34	26
75	85.2	77.5	32	24.5
100	110	98.5	45	36
150	155	154	43	32

TYPE B Bottom connection

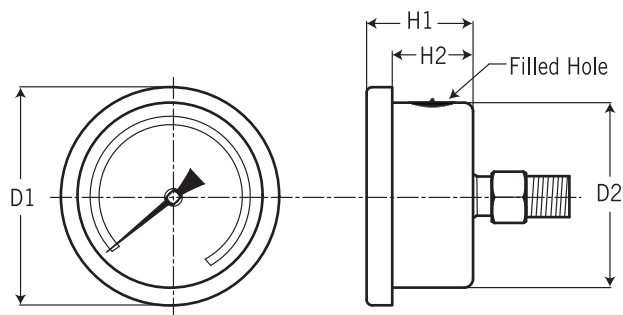
Back flange for surface mounting



UNIT=MM

TYPE B	D1	D2	H1	H2	FD1	FD2	S
60	71	63	35	26	93.5	80.5	4.5x6.5
75	85.2	77.5	33	24.5	106.1	94	6x9.8
100	110	98.5	46	36	130	117	6x7.7
150	155	154	44	32	198	184	6x10.6

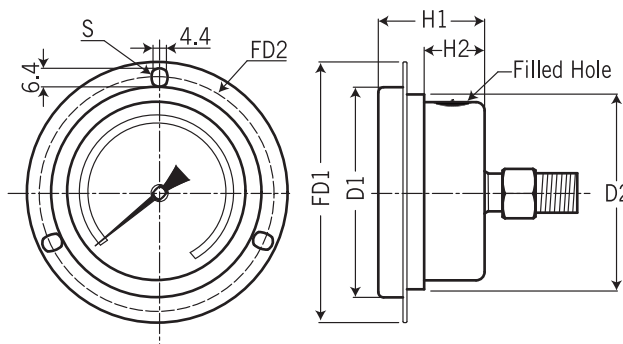
TYPE AD Center back connection



UNIT=MM

TYPE AD	D1	D2	H1	H2
60	71	63.5	35	25
75	85.1	77.5	32	24.5
100	110	98.5	38	28
150	166	151.8	41	32

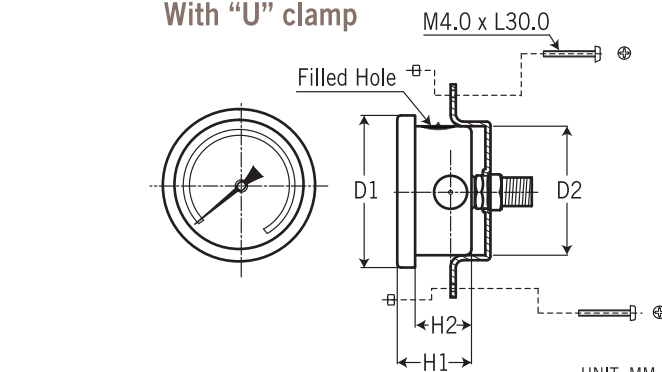
TYPE BD Center back connection Front flange for surface mounting



UNIT=MM

TYPE BD	D1	D2	H1	H2	FD1	FD2	S
60	71	65	35	21	87.5	80.5	4.5x6.3
75	85.1	80	32	22	110	96	4.6x4.6
100	110	101	38	22	132.5	117	5.8x9
150	166	153.8	41	25.5	198	184	6x10.6

TYPE ADU Center back connection With "U" clamp



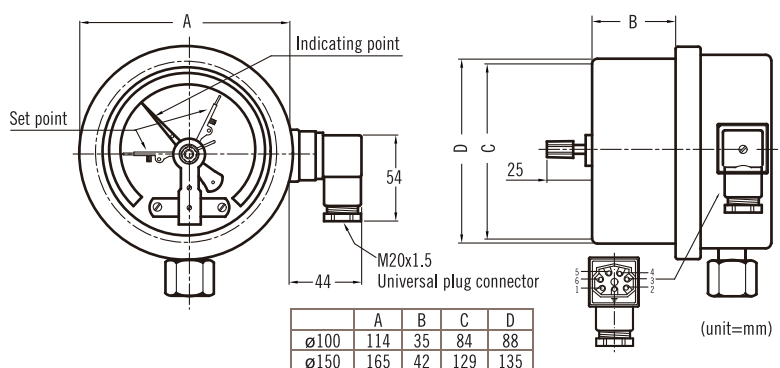
UNIT=MM

TYPE ADU	50	60	100
D1	57	71	110
D2	50.5	63.5	98.5
H1	28	35	38
H2	22	25	28
P1	72	88	127
P2	80	96	135
M	M4x20	M4x20	M4x20

Range Table

PRESSURE RANGES bar	SUBDIVISION bar	PRESSURE RANGES psi	SUBDIVISION psi
-1/0 (-760mmhg/0)	0.05	30"/30	1"vac./ .5 psi
-1/+1.5	0.1	30"/60	2"vac./2 psi
-1/+3	0.1	30"/100	5"vac./2 psi
-1/+5	0.2	30"/160	5"vac./5 psi
-1/+9	0.5	30"/200	5"vac./5 psi
-1/+15	0.5	30"/300	10"vac./5 psi
-1/+24		30"/600	10"vac./10psi
0.6	0.01		
0.2-1	0.02	3-15	.2
1.0	0.02	15	.25
1.6	0.05		
2.5	0.05	30	.5
4	0.1	60	1
6	0.1	100	1
10	0.2	160	2
16	0.5	200	2
		300	5
25	0.5	400	5
40	1	600	10
60	1	800	10
		1000	10
100	2	1500	25
160	5	200	20
250	5	3000	50
400	10	5000	50
600	10	10000	100
1000	20	15000	150

Contact Type Limit Switch Assemblies



Limit Switch Contact Rating

CONTACT MODE	MS-SERIES MAGNETIC SNAP CONTACT			
	VOLTAGE	LOADING CURRENT		
	AC 220V	AC 110V	DC 200V	DC 100V
	0.2A	0.4A	0.01A	0.02A

LIMIT SWITCH FUNCTION MODE		
WIRE DRAWING	CONTACT FUNCTION	CONTACT TYPE
	SINGLE CONTACT	MAGNETIC SNAP-ACTION
	Contact ON When pointer clockwise reaches and passed set point	MS1
	Contact OFF When pointer clockwise reaches and passed set point	MS2
TWO CONTACTS		
	Common pole: 4 1st and 2nd contact ON When pointer clockwise reaches and passed each set point.	MS11
	Common pole: 4 1st contact ON 2nd contact OFF When pointer clockwise reaches and passed each set point.	MS12
	Common pole: 4 1st contact OFF 2nd contact ON When pointer clockwise reaches and passed each set point.	MS21
	Common pole: 4 1st and 2nd contact OFF When pointer clockwise reaches and passed each set point.	MS22
SPOT CONTACT		
	Common pole: 4 Connection 1 and 3: ON Connection 2 and 3: OFF When pointer clockwise reaches and passed set point meanwhile contacts change over at same set point.	MS3

Ordering Information

PG SERIES	Code	Type
↓	A	Bottom Connection (Type A)
	B	Bottom Connection; Back Flange for Surface Mounting (Type B)
	C	Center Back Connection (Type AD)
	D	Center Back Connection; Front Flange for Surface Mounting (Type BD)
	E	Center Back Connection with "U" Clamp (Type ADU)
	Code	Dial Size
	1	ø60 mm
	2	ø75 mm
	3	ø100 mm
	4	ø150 mm
	Code	Connection Thread Type
		(A) NPT (B) BSPT(PT) (C) BSP(PF)
	Code	Connection Thread Size
		(1) 1/4" (2) 3/8" (3) 1/2" (4) option
	Code	Measure Range
		Please refer to range table.
	Code	Case Option
	1	Without filled glycerine
	2	With filled glycerine
	3	Without blow-out
	4	With blow-out
	Code	Contact Type Limit Switch
		Please refer to Limit Switch Function Mode. or, (O) without
↓		
PG - A - 3 - A - 3 - 10BAR - 1,3 - 0		Complete Ordering Code