

Dial size: 40mm, 50mm, 63mm



## FEATURES

- All SS measuring system
- Socket-case, direct welded
- Dry / liquid filled

## APPLICATIONS

- Food & Beverages
- Chemical & Petrochemical
- Corrosive environments
- Liquid & gaseous mediums

## STANDARD PARAMETERS

Accuracy	CL 1.6 (63mm), CL 2.5 (DN40/DN50)		
Ambient temperature	-40...+65°C (without dampening liquid)	-20...+65°C (with dampening liquid)	
Medium temperature	-40...+200°C (without dampening liquid)	-40...+100°C (with dampening liquid)	
Pressure limits	Steady pressure up to FS value	Fluctuating pressure up to 90% of FS value	Short time 1.3 x FS value
Standard	EN837-1		

## MATERIAL OF CONSTRUCTION

Sensing element	Bourdon Tube (C - type or Helical)
Case & Ring material	AISI 304 SS (Bayonet type)
Bourdon tube & Socket	AISI 316 SS (Socket welded directly to case)
Movement mechanism	Stainless steel
Dial	Aluminum, black graduation on white background
Pointer	Fixed, Aluminum, black powder coated
Gaskets, Blow off disc & filling plug	NBR
Window	Glass

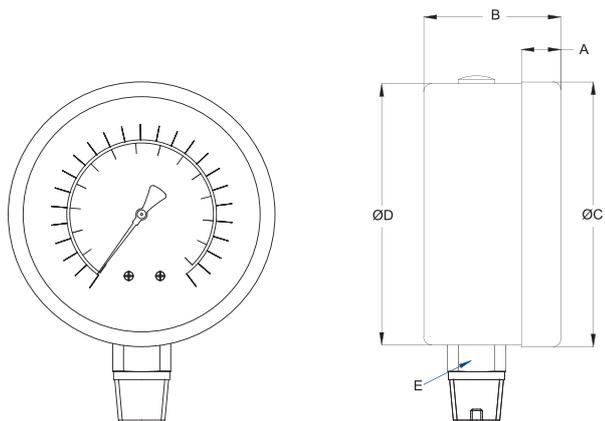
## STANDARD SPECIFICATIONS

Dial size	40mm (1½"), 50mm (2"), 63mm (2.5")
Range	-1...400 bar (DN40/DN50) -1...1000 bar (DN63)
Mounting pattern	Direct, Bottom connection
Process connection	¼" NPT (M) / ¼" BSP (M)
Ingress protection	IP 65
Execution	Dry
Dampening liquid	Glycerin

## TEMPERATURE EFFECT

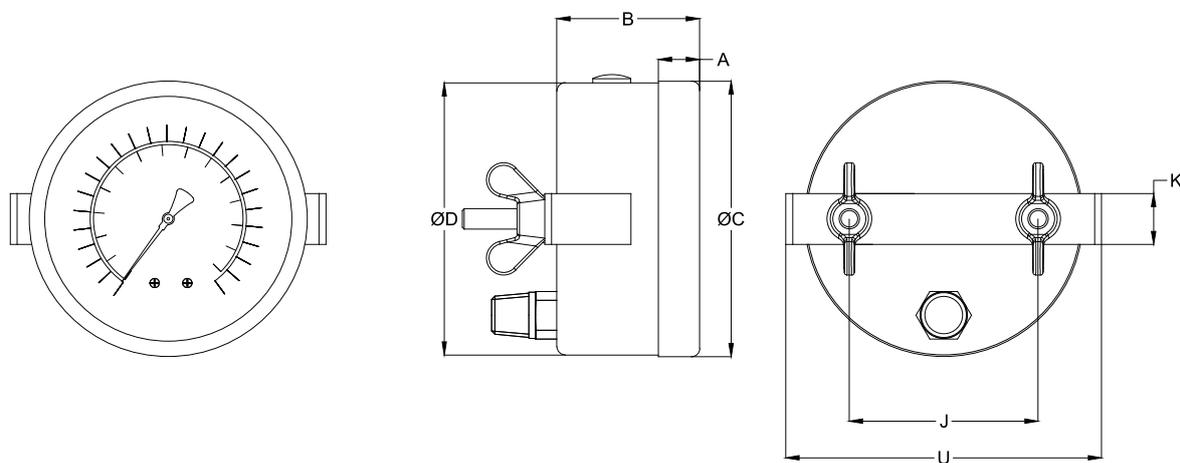
When temperature of the measuring system deviates from reference temperature (+20°C) max error ±0.4% / 10K of true scale value. (According to EN837)

### Type A



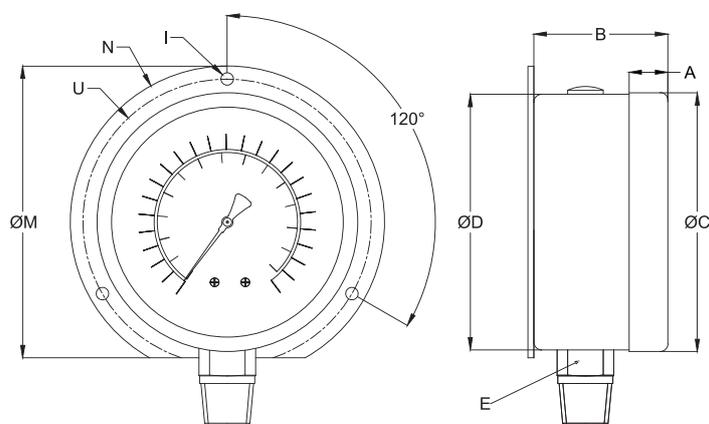
DN	A	B	C	D	E	Weight
63	10	30	68	63	sq14	~155 g

### Type B



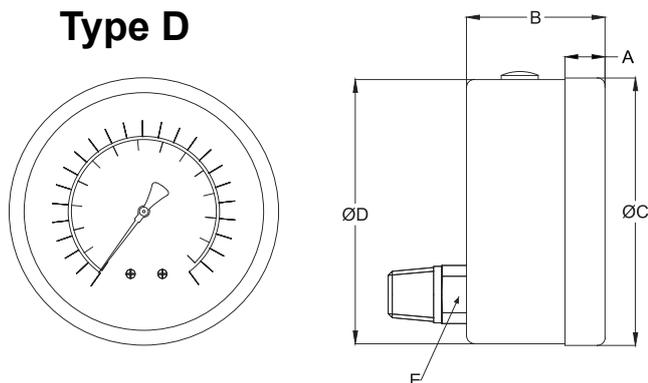
DN	A	B	C	D	E	U	J	K	Weight
63	12	33	69	62	sq14	74	44	15	~160 g

### Type C



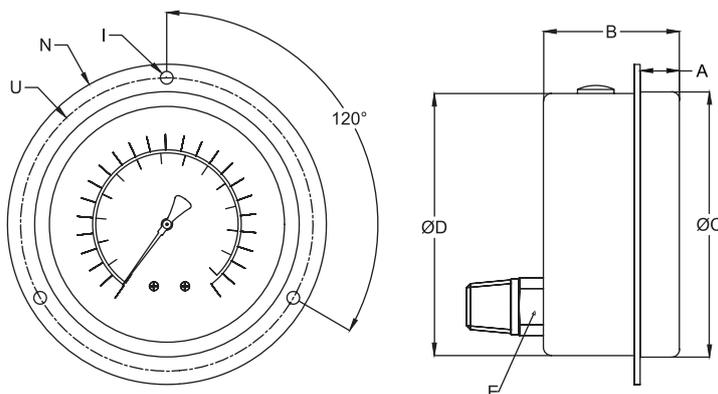
DN	A	B	C	D	E	M	U	I	N	Weight
63	12	32	69	63	sq14	80	71	3	84	~175 g

### Type D



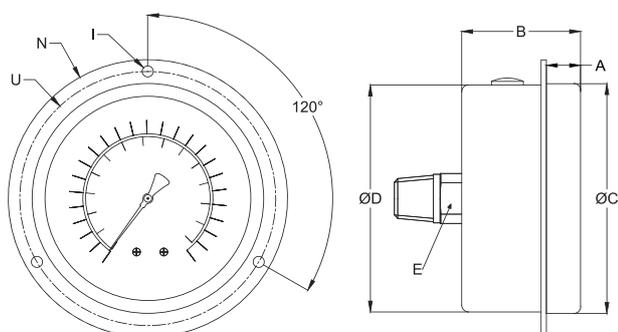
DN	A	B	C	D	E	Weight
63	12	33	69	63	sq14	~155 g

### Type E

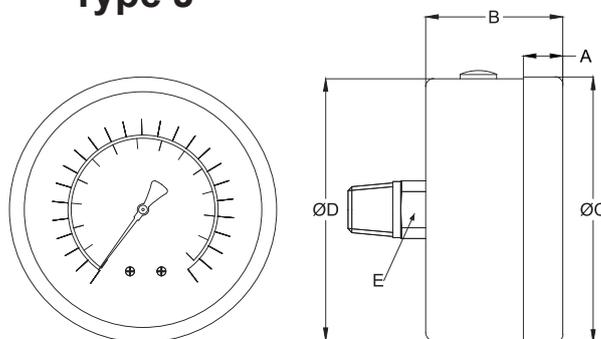


DN	A	B	C	D	E	I	N	Weight
63	12	33	69	63	sq14	3	85	~175 g

### Type H



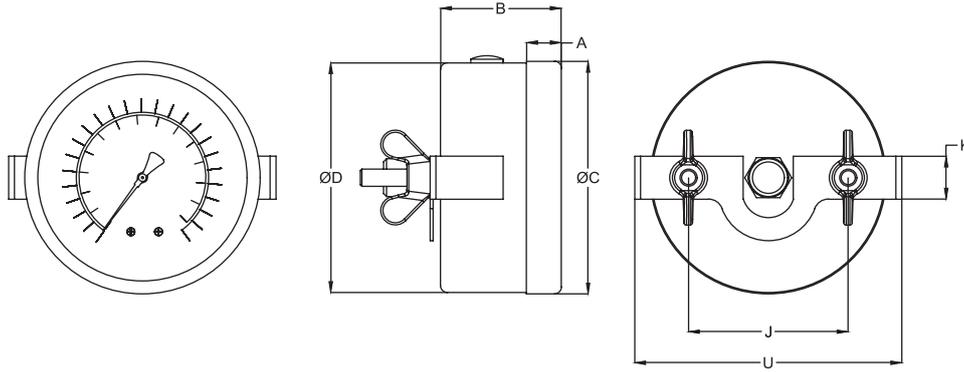
### Type J



DN	A	B	C	D	E	N	Weight
63	12	33	69	63	sq14	85	~175 g

DN	A	B	C	D	E	Weight
63	12	33	69	63	sq14	~155 g

### Type L



DN	A	B	C	D	E	U	J	K	Weight
63	10	30	68	63	sq14	74	44	15	~169 g

## ORDERING CODES

1. DIAL SIZE		03	5. INGRESS PROTECTION		ER
01	40 mm / 1½"		ER	IP 65	
02	50 mm / 2"		ET	IP 67	
03	63 mm / 2½"				
05	100 mm / 4"				
2. RANGE		XXX	6. EXECUTION		EA
XXX	Refer "Range Table"		EA	Dry	
			EB	Dry but fillable	
			EG	Glycerine oil	
			EH	Silicon oil	
3. MOUNTING PATTERN		A	7. OTHER OPTIONS		BA
A	Direct, Bottom connection		BA	Case & Ring in AISI 316 SS	
B	Panel/bracket mounting, Lower Back connection		EN	Dampening screw, AISI 316 SS	
C	Wall/Surface/mounting, Bottom connection		G9	With Freon temperature scales	
D	Back connection		N9	Dial with Ammonia temperature scale	
E	Panel/Front flange mounting, Back connection		TA	Calibration certificate	
H	Panel/Front flange mounting, Centre Back connection		TL	Helium leak testing	
J	Centre, Back connection		TC	Material test certificate	
L	Panel/bracket mounting, Centre Back connection		TO	Use for Oxygen service	
4. PROCESS CONNECTION		14N	XF	SS tag plate, AISI 304 SS	
11N	1/8" NPT (M)		XG	SS tag plate, AISI 316 SS	
12N	¼" NPT (M)		XO	Rolling type case & ring	
14N	½" NPT (M)		XR	Custom designed dial	
11B	1/8" BSP (M)		XT	Dial tag marking	
12B	¼" BSP (M)				
13B	3/8" BSP (M)				
14B	½" BSP (M)				
14M	M20x1.5 mm (M)				
Other thread size and standards available on request					

**Ordering Example:**  
**MT-P100ST-03-XXX-A-14N-ER-EA-BA**

### NOTES

For other connections, please contact factory.

### STANDARD RANGES

RANGE	"bar"	"kg/cm2"	"bar / psi"	RANGE	"psi"	RANGE	"kPa"	RANGE	"MPa"
0...0.6	B01	K01	N01	0...10	S01	0...60	E01	-	-
0...1	B02	K02	N02	0...15	S02	0...100	E02	0...0.1	M02
0...1.6	B03	K03	N03	0...25	S03	0...160	E03	0...0.16	M03
0...2.5	B05	K05	N05	0...35	S05	0...250	E05	0...0.25	M05
0...4	B06	K06	N06	0...60	S06	0...400	E06	0...0.4	M06
0...6	B07	K07	N07	0...100	S07	0...600	E07	0...0.6	M07
0...10	B09	K09	N09	0...150	S09	0...1000	E09	0...1	M09
0...16	B11	K11	N11	0...235	S11	0...1600	E11	0...1.6	M11
0...25	B13	K13	N13	0...365	S13	0...2500	E13	0...2.5	M13
0...40	B16	K16	N16	0...600	S16	0...4000	E16	0...4	M16
0...60	B17	K17	N17	0...870	S17	0...6000	E17	0...6	M17
0...70	B18	K18	N18	0...1000	S18	0...7000	E18	0...7	M18
0...100	B19	K19	N19	0...1500	S19	0...10000	E19	0...10	M19
0...160	B21	K21	N21	0...2300	S21	0...16000	E21	0...16	M21
0...250	B24	K24	N24	0...3600	S24	0...25000	E24	0...25	M24
0...400	B27	K27	N27	0...6000	S27	0...40000	E27	0...40	M27
0...600	B29	K29	N29	0...8700	S29	0...60000	E29	0...60	M29
0...700	B30	K30	N30	0...10000	S30	0...70000	E30	0...70	M30
0...1000	B31	K31	N31	0...15000	S31	-	-	0...100	M31
-1...0	B37	K37	N37	-	-	-100...0	E37	0.1...0	M37
-1...0.6	B38	K38	N38	-	-	-100...60	E38	-0.1...0.06	M38
-1...1.5	B39	K39	N39	-	-	-100...150	E39	-0.1...0.15	M39
-1...3	B42	K42	N42	-	-	-100...300	E42	-0.1...0.3	M42
-1...5	B43	K43	N43	-	-	-100...500	E43	-0.1...0.5	M43
-1...9	B45	K45	N45	-	-	-100...900	E45	-0.1...0.9	M45
-1...15	B47	K47	N47	-	-	-100...1500	E47	-0.1...1.5	M47
-1...24	B49	K49	N49	-	-	-100...2400	E49	-0.1...2.4	M49

#### NOTES

1. Other scales & measurement units are available.
2. Equivalent scales available in kg/cm<sup>2</sup>, psi, kPa, MPa, bar/psi, kPa/bar, kPa/psi or any other special scales.
3. Primary scales shall be in «BLACK» and secondary scales shall be «RED».
4. Special scales, custom dial design, OEM/private logo printing is available, details contact our marketing team.