

Capsule



FEATURES

- All SS measuring system
- Socket-case, direct welded
- Low pressure application (<0.6 bar)
- Zero adjustment on dial

APPLICATIONS

- Liquid & gaseous mediums
- Corrosive environments
- Oil & Gas applications
- Chemical & Petrochemical
- Food & Beverages
- Nuclear power plants

STANDARD PARAMETERS

Accuracy	CL 1.6	
Ambient temperature	-40...+65°C	
Medium temperature	-40...+150°C	
Pressure limits	Steady pressure up to FS value	Fluctuating pressure up to 90% of FS value
Standard	EN837-3	

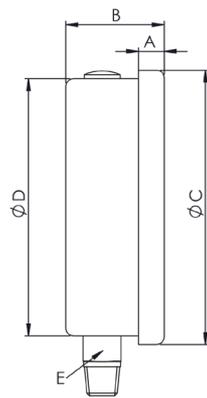
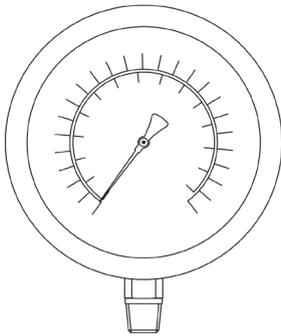
MATERIAL OF CONSTRUCTION

Sensing element	Capsule
Case & Ring material	AISI 304 SS (Bayonet type)
Capsule	AISI 316 SS
Socket	AISI 316 SS (Welded directly to case)
Movement mechanism	Stainless steel
Dial	Aluminum, black graduation on white background with external zero adjustment on dial
Pointer	Fixed, aluminum, black powder coated
Gaskets, Blow off disc & filling plug	NBR
Window	Safety glass

STANDARD SPECIFICATIONS

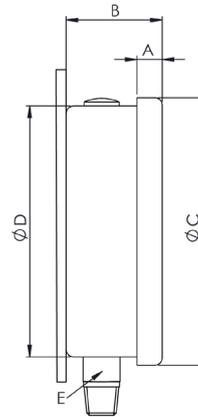
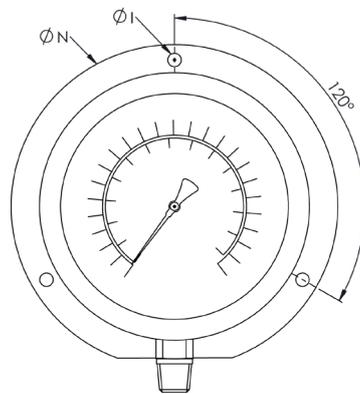
Dial size	63mm (2.5") / 100mm (4") / 160mm (6")
Range	0...16 mbar 0...600 mbar -600...25...600 mbar 6...16 mbar (available in DN 160) 100...600 mbar
Mounting pattern	Direct, Bottom connection
Process connection	½" NPT (M)
Ingress protection	IP 65
Execution	Dry
Temperature effect	When temperature of the measuring system deviates from reference temperature (+20°C) max error ±0.4% / 10K of true scale value. (According to EN837)

Type A



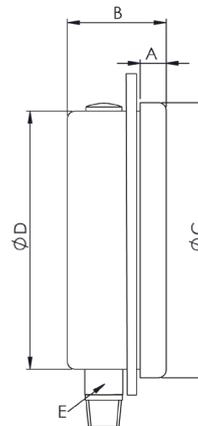
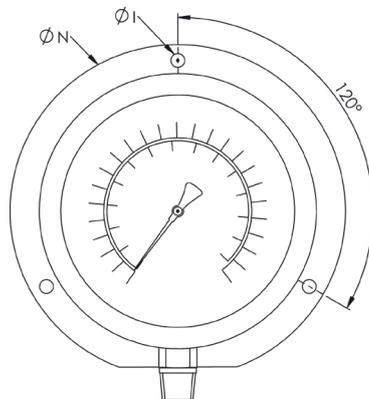
DN	A	B	C	D	E	Weight
100	17	50	100	98	SW24	~605 g
160	15	53	160	150	SW22	~963 g

Type C



DN	A	B	C	D	E	U	I	N	Weight
100	17	50	100	98	SW24	132	5	109	~691 g
160	15	53	160	150	SW22	171	6	196	~1117 g

Type K



DN	A	B	C	D	E	U	I	N	Weight
100	17	50	100	98	SW24	132	5	109	~691 g
160	15	53	160	150	SW22	171	6	196	~1117 g

ORDERING CODES

1. DIAL SIZE		03	6. EXECUTION		EA
03	63 mm / 2½"		EA	Dry	
05	100 mm / 4"				
07	160 mm ¹ / 6"				
2. RANGE		XXX	7. OTHER OPTIONS		
XXX	Refer "Range Table"		BA	Case & Ring in AISI 316 SS	BA
3. MOUNTING PATTERN		A	TN	NACE standards	
A	Direct, Bottom connection		TA	Calibration certificate	
B	Panel/bracket mounting, Lower Back connection		TC	Material test certificate	
C	Wall/Surface/mounting, Bottom connection		TO	Use for Oxygen service	
D	Back connection		XF	SS tag plate, AISI 304 SS	
E	Panel/Front flange mounting, Back connection		XG	SS tag plate, AISI 316 SS	
G	2" Pipe/Yoke mounting, Bottom connection		XR	Custom designed dial	
K	Panel/Front flange mounting, Bottom connection		XT	Dial tag marking	
4. PROCESS CONNECTION		14N			
12B	¼" BSP (M)				
12N	¼" NPT (M)				
13B	3/8" BSP (M)				
14B	½" BSP (M)				
14M	M20 X 1.5 mm (M)				
14N	½" NPT (M)				
Other thread size and standards available on request					
5. INGRESS PROTECTION		ER			
ER	IP 65				

Ordering Example:
MT-P100SC-03-XXX-A-14N-ER-EA-BA

NOTES

1. Case size is 150mm (D), Case+Ring=160mm (C).
2. For other connections, please contact factory.
3. Case & Ring in AISI 316 SS from DN100 onwards.
4. DN63 available in mounting pattern A only.
5. DN63 available with ¼" connections. Other connections through adaptors.

STANDARD RANGES

RANGE	"mbar"	RANGE	"kg/cm ² "	RANGE	"psi"	RANGE	"mmH ₂ O"
0...10	F01	0...0.01	K61	0...0.15	S51	0...100	H01
0...16	F03	0...0.016	K62	0...0.25	S52	0...160	H02
0...25	F05	0...0.025	K63	0...0.36	S53	0...250	H03
0...45	F07	0...0.045	K64	0...0.65	S54	0...450	H04
0...60	F09	0...0.06	K65	0...1.0	S55	0...600	H05
0...100	F11	0...0.1	K66	0...1.5	S56	0...1000	H06
0...160	F13	0...0.16	K67	0...2.5	S57	0...1600	H07
0...250	F15	0...0.25	K68	0...3.6	S58	0...2500	H08
0...400	F17	0...0.4	K69	0...6.0	S59	0...4000	H09
0...600	F19	0...0.6	K01	0...10	S01	0...6000	H10

Vacuum and +/- Scale Ranges

RANGE	"mbar"	RANGE	"kg/cm ² "
-10...0	V01	-5...+5	V21
-16...0	V03	-8...+8	V23
-25...0	V05	-20...+20	V25
-40...0	V07	-30...+30	V27
-60...0	V09	-50...+50	V29
-100...0	V11	-80...+80	V31
-160...0	V13	-125...+125	V33
-250...0	V15	-200...+200	V35
-400...0	V17	-300...+300	V39
-600...0	V19	-	-

NOTES

1. Other scales & measurement units are available.
2. Equivalent scales available in kg/cm², 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.