

SS Case



FEATURES

- Precision measuring system
- High resolution dial
- Knife Edge pointer
- Anti-parallax mirror band
- Easy to read scale

APPLICATIONS

- Calibration & testing labs
- Calibration & testing of industrial pressure gauges

STANDARD PARAMETERS

Accuracy	CL 0.25 / CL 0.5%
Ambient temperature	20...+65°C
Service temperature	65°C max.
Pressure limits	Steady pressure up to full scale
Standard	EN837

MATERIAL OF CONSTRUCTION

Sensing element	Bourdon Tube (C - type or Helical)
Case & Ring material	AISI 304 SS (Bayonet type)
Bourdon tube	Beryllium Copper
Socket	AISI 316L SS
Integral dampening screw	AISI 316 SS
Dial	Aluminum, black marking & anti-parallax mirror band
Pointer	Balanced, knife-edge micrometer adjustable
Pointer stopper	Spring type
Gaskets, Blow off disc & filling plug	NBR
Window	Safety glass

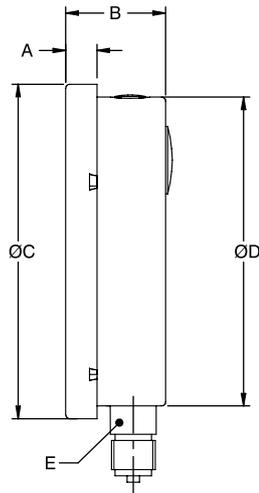
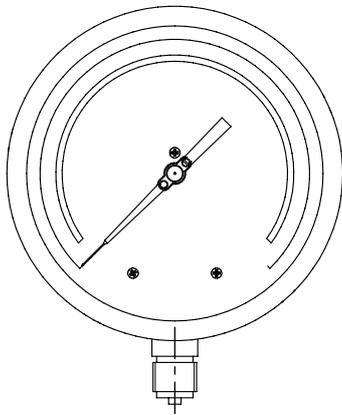
STANDARD SPECIFICATIONS

Dial size	DN160 / DN250
Range	-1...700 bar
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 $\pm 0.4\%$ / 10K of true scale value. (According to EN837)

Type A



DN	A	B	C	D	E	Weight
160	15	48	161	149	sq22	~1124 g
250	18.5	50	263	250	sq22	~2022 g

ORDERING CODES

1. DIAL SIZE		07
07	160 mm ¹ / 6"	
08	250 mm / 10"	

2. RANGE		XXX
XXX	Refer "Range Table"	

3. MOUNTING PATTERN		A
A	Direct, Bottom connection	
C	Wall/Surface/mounting, Bottom connection	
D	Back connection	
E	Panel/Front flange mounting, Back connection	

4. PROCESS CONNECTION		14N
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	

6. EXECUTION		EA
EA	Dry	

7. OTHER OPTIONS		XF
XF	SS tag plate, AISI 304 SS	
XR	Custom designed dial	
XT	Dial tag marking	

Ordering Example:
MT-P120ST-07-XXX-A-14N-ER-EA-XF

NOTE

1. Case size is 150mm (D), Case+Ring=160mm (C)
2. For other connections, please contact factory

STANDARD RANGES

RANGE	"bar"	"kg/cm ² "	"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	M0s3
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
-1...0	B37	K37	N37	-	-	-100...0	E37	0.1...0	M37

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.