

Economical



FEATURES

- Economical version
- General purpose
- Compact case
- Dry execution

APPLICATIONS

- HVAC & FLR Units
- Valve positioners
- Water & Air applications
- Allied process industries

STANDARD PARAMETERS

Accuracy	CL 1.6 (DN63 & DN100), CL 2.5 (DN40 & DN50)		
Ambient temperature	-20...+60°C		
Service temperature	60°C max.		
Pressure limits	Steady: 3.4 x FS	Fluctuating: 2.3 x FS	Short time: FS
Standard	EN.837-1		

MATERIAL OF CONSTRUCTION

Sensing element	Bourdon Tube (<100 bar : C - type , >100 bar : Helical)
Case & Ring material	Steel, power coated / painted (Black)
Bourdon tube & Shank	Phosphor Bronze
Movement mechanism	Copper alloy
Dial	Aluminum, black graduation on white background
Pointer	Fixed, Aluminum, black powder coated
Window	Plastic

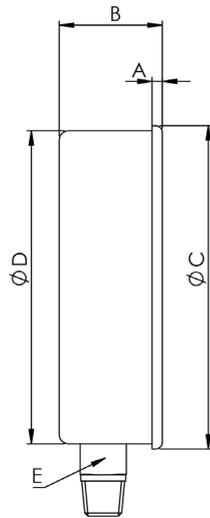
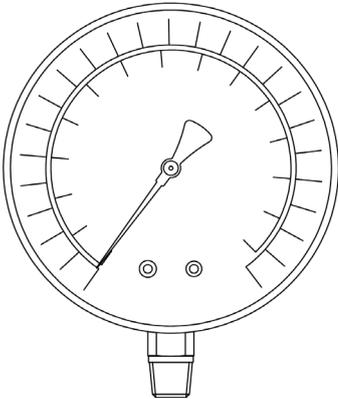
STANDARD SPECIFICATIONS

Dial size	40mm (1½") / 50mm (2") / 63mm (2½") / 100mm (4")
Range	0...400 bar
Mounting pattern	Direct, Bottom connections
Process connection	¼" NPT (M)
Execution	Dry

TEMPERATURE EFFECT

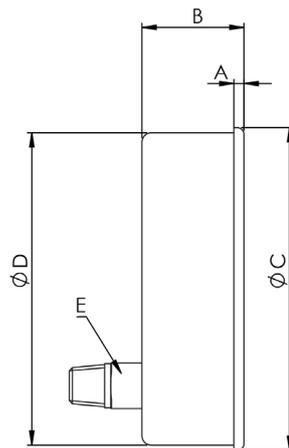
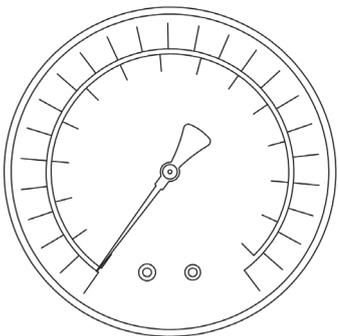
When temperature of the measuring system deviates from reference temperature (+ 20°C) max error $\pm 0.4\%$ / 10K of true scale value. (According to EN837)

Type A



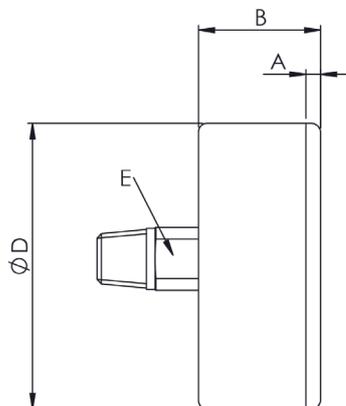
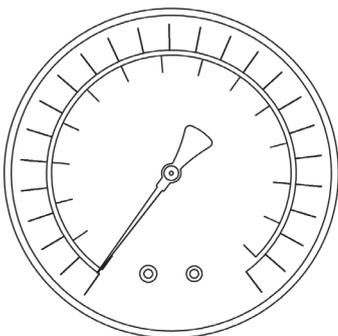
DN	A	B	C	D	E	Weight
40	6	29	41	40	SW14	-
50	3	28	50	50	SQ14	-
63	10	38	74	65	SQ14	~127 g
100	14	32	102	100	SW22	~360 g

Type D



DN	A	B	C	D	E	Weight
40	6	29	41	40	SW14	-
50	3	28	50	50	SQ14	-
63	10	38	74	65	SQ14	~127 g
100	14	32	102	100	SW22	~360 g

Type J



DN	A	B	D	E	Weight
40	2	25	40	SQ12	-
50	3	28	50	SQ14	-
63	3	28	62	SQ14	~127 g

ORDERING CODES

1. DIAL SIZE		05	6. EXECUTION		EA
01	40 mm / 1½"		EA	Dry	
02	50 mm / 2"				
03	63 mm / 2½"				
05	100 mm / 4"				
2. RANGE		XXX	7. OTHER OPTIONS		
XXX	Refer "Range Table"		EZ	Pointer stop on dial	
3. MOUNTING PATTERN		A	XR	Custom designed dial	
A	Direct, Bottom connection		XT	Dial tag marking	
B	Back connection ¹		TA	Calibration certificate	
J	Centre, Back connection		TO	Use for Oxygen service	
4. PROCESS CONNECTION		12N	G9	With Freon temperature scales	
11N	1/8" NPT (M)		XF	SS tag plate, AISI 304 SS	
12N	¼" NPT (M)				
14N	½" NPT (M)				
11B	1/8" BSP (M)				
12B	¼" BSP (M)				
13B	3/8" BSP (M)				
14B	½" BSP (M)				
Other thread size and standards available on request					
5. INGRESS PROTECTION		EV			
EV	IP 54				

Ordering Example:
MT-P100BT-05-XXX-A-12N-EV-EA-EZ

NOTES

1. For 100 & 160 mm.
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	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/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.