



Gas Actuated

FEATURES

- Inert gas filled
- Filled versions

APPLICATIONS

- Liquid & gaseous mediums
- Corrosive environments
- Oil & Gas applications
- Chemical & Petrochemical

STANDARD PARAMETERS

Accuracy	CL 1.0
Ambient temperature	-40...+70°C
Over range limits	110% full scale
Stem pressure rating	25 bar (Without thermowell)
Standard	EN13190

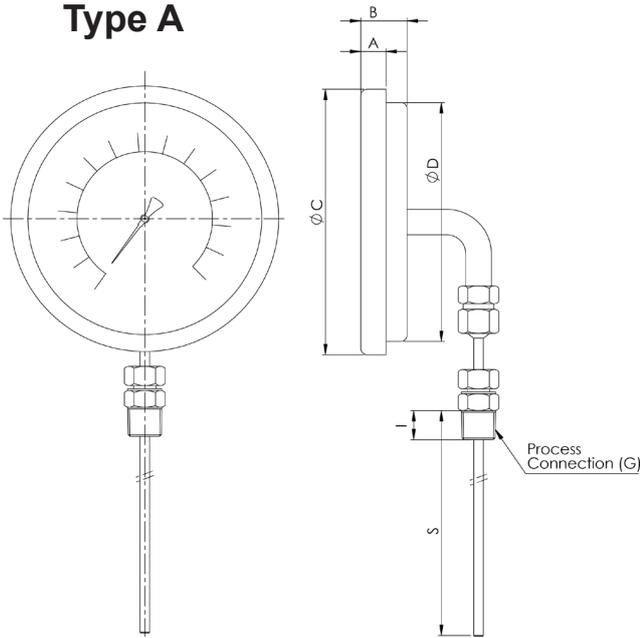
MATERIAL OF CONSTRUCTION

Sensing element	Inert Gas filled sensor bulb
Case & Ring material	AISI 304 SS
Stem & Process connection material	AISI 316 SS
Dial	Aluminum, black graduation on white background
Pointer	Micrometer zero adjustable, aluminum, black powder coated
Gaskets	NBR
Window	Glass

STANDARD SPECIFICATIONS

Dial size	DN100 / DN125 / DN160
Range	-200...+700°C
Mounting pattern	Direct Bottom connection
Stem size	6.0 mm
Ingress protection	IP 65
Assembly	Direct
Process connection type	Adjustable connection
Process connection	½" NPT (M)

Type A

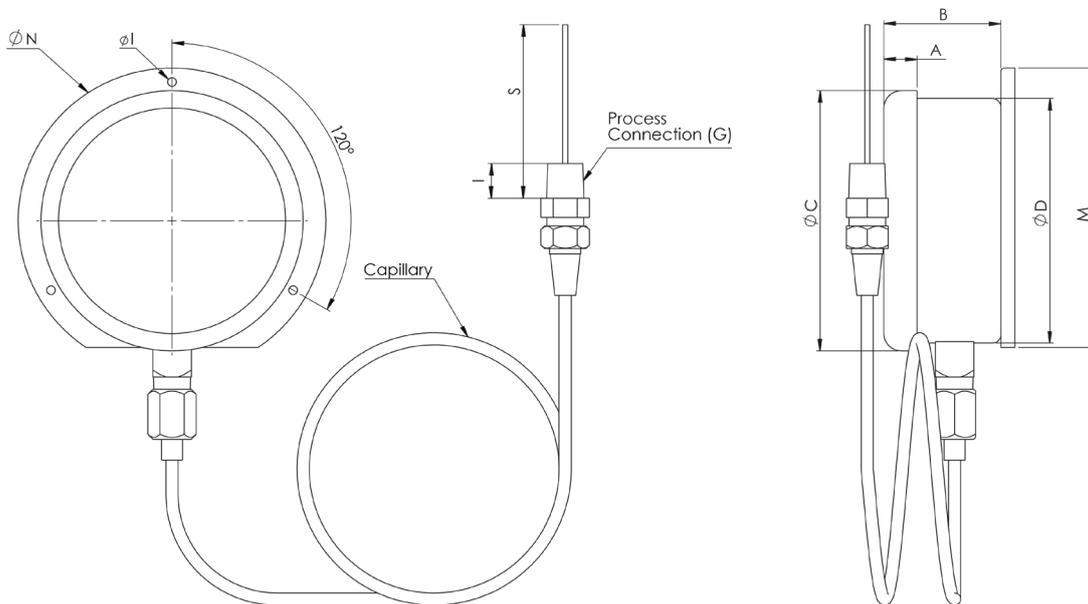


DN	A	B	C	D
100	17	49	100	98
160	18	47	160	158

Process Connection			
G	I	G	I
1/4" NPT	~14mm	1/4" BSP	~15.5mm
1/2" NPT	~20mm	1/2" BSP	~21.5mm
3/4" NPT	~19mm	3/4" BSP	~20.5mm
-	-	3/8" BSP	~17mm

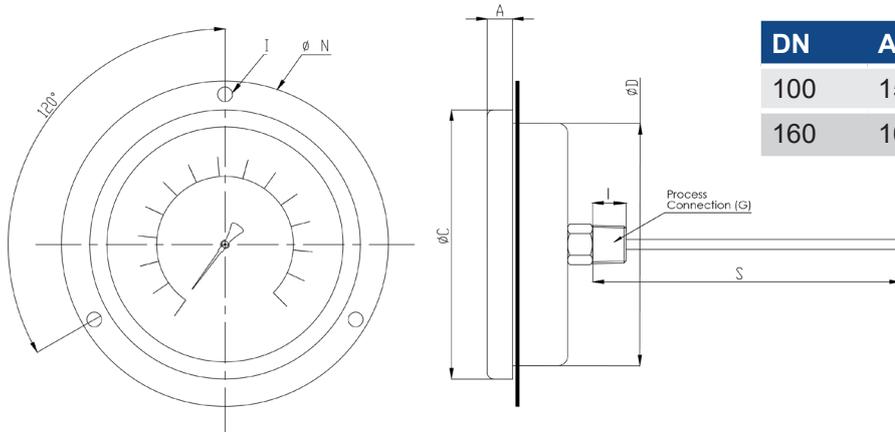
*This table is for all types of MT-T100GF

Type C



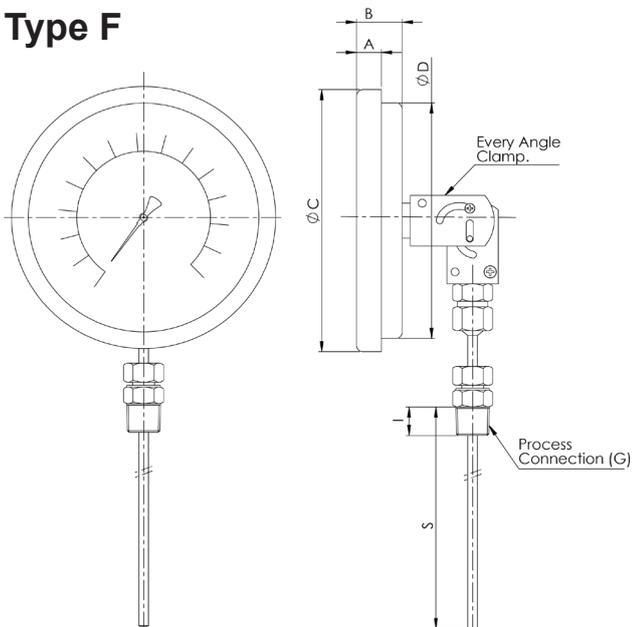
DN	A	B	C	D	M	I	U
100	17	49	100	98	***	4	132
160	18	47	160	158	184	6	196

Type E



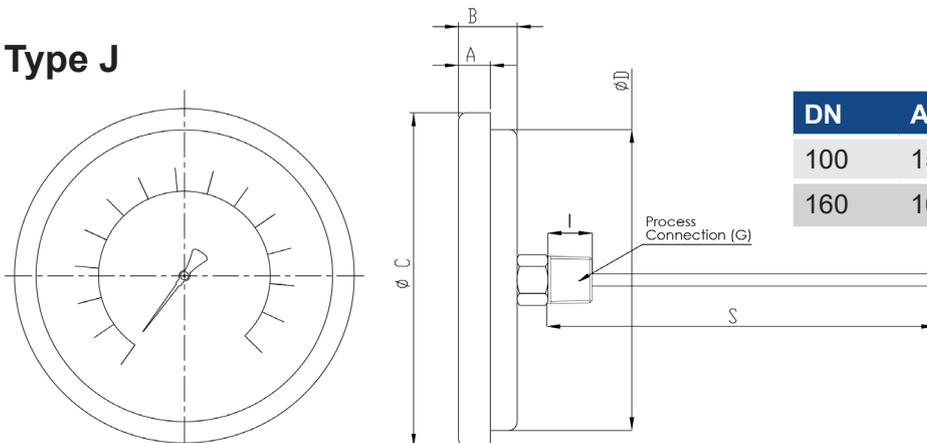
DN	A	B	C	D	U
100	15	28	110	100	132
160	16	28	160	148	196

Type F



DN	A	B	C	D
100	15	28	110	100
160	16	28	160	148

Type J



DN	A	B	C	D
100	15	28	110	100
160	16	28	160	148

ORDERING CODES

1. DIAL SIZE		05	8. PROCESS CONNECTION		14N
05	100 mm / 4"		14N	1/2" NPT (M)	14B 1/2" BSP (M)
06	125 mm / 4 1/2"		12N	1/4" NPT (M)	12B 1/4" BSP (M)
07	160 mm / 6"		14M	M20 X 1.5 mm (M)	13B 3/8" BSP (M)
2. RANGE		XXX	9. ASSEMBLY		RE
XXX	Refer "Range Table"		DR	Direct (Stem type)	
			RE	Remote (Capillary type)	
3. MOUNTING PATTERN		D	10. CAPILLARY		MC
A	Direct, Bottom connection		MC	AISI 304 SS	MF AISI 316 SS
C	Wall/Surface/mounting, Bottom connection				
D	Back connection				
E	Panel/Front flange mounting, Back connection				
F	Every Angle mounting, Centre Back connection				
G	2" Pipe/Yoke mounting, Bottom connection				
4. STEM DIAMETER		HH	11. ARMOUR		MF
HH	6.0 mm		MC	AISI 304 SS	MF AISI 316 SS
JJ	8.0 mm		MP	PVC (Ambient max. 60°C)	
OO	10 mm				
5. INGRESS PROTECTION		ER	12. REMOTE MOUNTING LENGTH		10000
ER	IP 65		XXXXX	250 mm up to 10,000 mm	
ES	IP 66		XXXXX	10,000 mm up to 25,000 mm	
ET	IP 67				
6. STEM LENGTH		150	13. OTHER OPTIONS		BA
XXXX	Up to 2000 mm		BA	Case & Ring in AISI 316 SS	
			GC	Safety glass	
			GW	Maximum reading pointer	
			EH	Silicon oil	
			TA	Calibration certificate	
			TC	Material test certificate	
			XF	SS tag plate, AISI 304 SS	
			XG	SS tag plate, AISI 316 SS	
			XT	Dial tag marking	
			XR	Custom designed dial	
			EG	Glycerine oil	
			DS	Dual scale C/F	
7. PROCESS CONNECTION TYPE		KW			
KX	Fixed connection				
KW	Adjustable connection (Sliding on stem)				

Ordering Example: MT-T100GF-05-XXX-D-HH-ER-150-KW-14N-RE-MC-MF-10000-BA

NOTES

1. For other ranges, connections, please contact factory.
2. While selecting capillary, Bottom connections are supplied with wall mounting flange & Back connection are with Panel / front flange.
3. 1/4" connections are available up to 1/4" (6.35 mm) stem diameter only.
4. 3/8" connections are available up to 10 mm stem diameter only.

STANDARD RANGES

RANGE(°C)	CODE
0...+50	C01
0...+60	C02
0...+80	C03
0...+100	C05
0...+120	C06
0...+160	C08
0...+250	C10
0...+300	C11
0...+400	C13
0...+500	C15
0...+700	C60

RANGE(°C)	CODE
0...+600	C17
-20...+60	C20
-20...+80	C23
-30...+50	C30
-40...+60	C33
-60...+40	C49
-80...+60	C50
-200...+100	C51
-200...+50	C52