

Back connection / fixed



FEATURES

- Bimetal helix system
- External Zero adjustment

APPLICATIONS

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

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

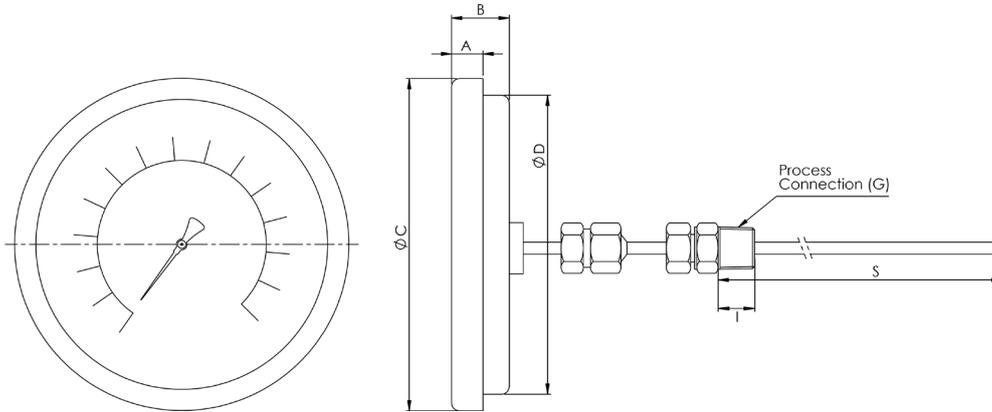
Sensing element	Coiled bimetal
Case & Ring material	AISI 304 SS
Stem & Process connection material	AISI 316 SS
Dial	Aluminum, black graduation on white background
Pointer	Slotted zero adjustable, Aluminum, black powder coated
Gaskets	NBR
Window	Glass

STANDARD SPECIFICATIONS

Dial size	DN100 / DN125 / DN160
Range	-70...600°C
Mounting pattern	Direct Back connection
Stem size	6.0 mm
Ingress protection	IP 65
Zero adjustment	External
Stem length	25 mm to 2000 mm*
Process connection type	Adjustable connection
Process connection	½" NPT (M)

*Depending on range & stem diameter

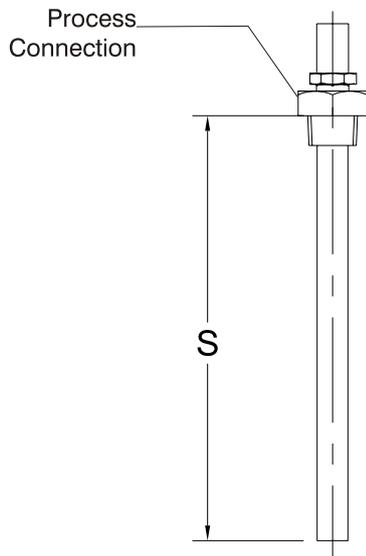
DIMENSIONAL DRAWING



DN	A	B	C	D	E
100	15	28	110	100	S
125	15	28	130	125	S
160	16	28	160	148	S

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

STEM LENGTH CHART



Stem Diameter	6 mm & 1/4"	8 mm	10 mm	12 mm
Range (°C)	Min. Stem Length			
	(mm)	(mm)	(mm)	(mm)
0...50	130	110	110	110
0...60	110	95	95	95
0...80	95	70	70	70
0...100	75	70	70	70
0...120	70	60	60	60
0...150	60	50	50	50
0...200	50	45	45	45
0...250	40	35	35	35
0...300	60	50	50	50
0...400	50	45	45	45

1. All length mentioned above are to be considered below thread only.
2. For other reduced length, contact factory before ordering.

NOTES

1. DN50 is available in Centre back connection only.
2. Equivalent scales available in °F, °C/°F, °F/°C. Please contact factory for details.

ORDERING CODES

1. DIAL SIZE		05	8. PROCESS CONNECTION		14N
05	100 mm / 4"		14N	1/2" NPT (M)	
06	125 mm / 4 1/2"		14B	1/2" BSP (M)	
07	160 mm / 6"		12N	1/4" NPT (M) ²	
			12B	1/4" BSP (M) ²	
2. RANGE		XXX	14M	M20 X 1.5 mm (M)	
XXX	Refer "Range Table"		13B	3/8" BSP (M) ³	
3. MOUNTING PATTERN		D	15N	3/4" NPT (M)	
D	Direct, Back connection		15B	3/4" BSP (M)	
4. STEM DIAMETER		HH	04N	1/2" NPT (F)	
HH	6.0 mm		05N	3/4" NPT (F)	
JJ	8.0 mm		16M	M27 X 2.0 mm (M)	
OO	10 mm		9. OTHER OPTIONS		BA
5. INGRESS PROTECTION		ER	BA	Case & Ring in AISI 316 SS	
ER	IP 65		GC	Safety glass	
ET	IP 67		EH	Silicon oil	
6. STEM LENGTH		150	TA	Calibration certificate	
XXXX	Up to 2000 mm		TC	Material test certificate	
7. PROCESS CONNECTION TYPE		KW	XF	SS tag plate, AISI 304 SS	
KX	Fixed connection		XG	SS tag plate, AISI 316 SS	
KW	Adjustable connection (Sliding on stem)		XT	Dial tag marking	
			XR	Custom designed dial	
			EG	Glycerin oil	
			DS	Dual scale C/F	

Ordering Example:

MT-T110BM-05-XXX-D-HH-ER-150-KW-14N-BA

NOTES

1. For other connections, please contact factory.
2. 1/4" connections are available up to 1/4" (6.35 mm) stem diameter only.
3. 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...+85	C04
0...+100	C05
0...+120	C06
0...+150	C07
0...+160	C08
0...+200	C09
0...+250	C10
0...+300	C11
0...+350	C12
0...+400	C13
0...+450	C14
0...+500	C15
0...+550	C16
0...+600	C17
-20...+40	C18
-20...+50	C19
-20...+60	C20
-10...+50	C21
-10...+110	C22
-20...+80	C23
-20...+100	C24

RANGE(°C)	CODE
-20...+110	C25
-20...+120	C26
-20...+140	C27
-20...+180	C28
-25...+40	C29
-30...+50	C30
-30...+70	C31
-30...+100	C32
-40...+60	C33
-40...+80	C34
-40...+100	C35
-40...+120	C36
-40...+160	C37
-50...+50	C38
-50...+550	C39
-50...+100	C40
-50...+120	C41
-50...+200	C42
-50...+300	C43
-50...+500	C44
-70...+70	C45
-70...+30	C46
-10...+50	C47
-10...+110	C48