

SPECIAL FEATURES

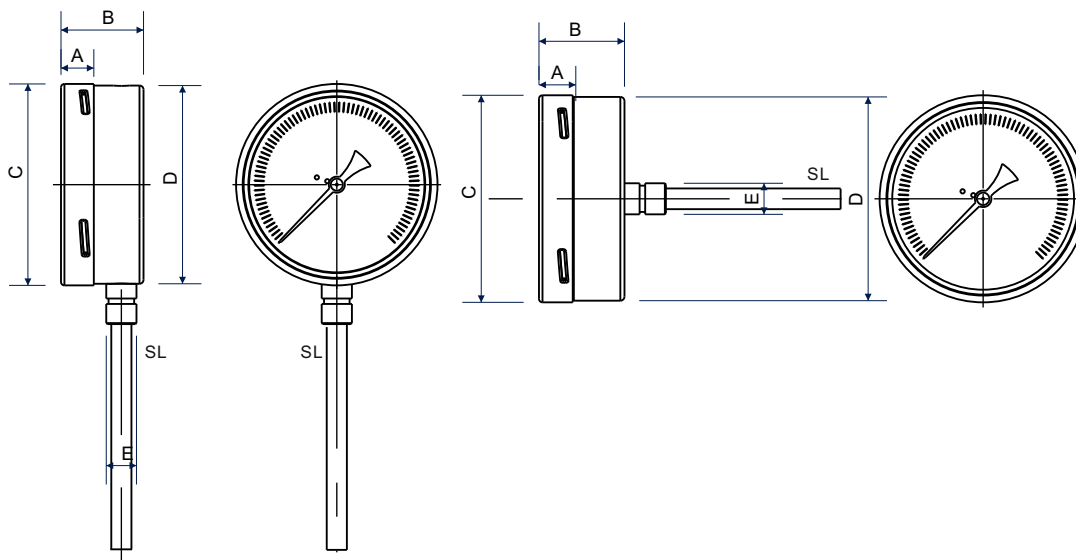
Inert Gas Filled Expansion System.
Stainless Steel Case & Stem
With or Without Thermowell
Standard Followed EN 13190.

SPECIFICATIONS

Accuracy : Class 1 as per EN 13190
Ambient Temperature: -13°F (-25°C) to 149°F (65°C)
Operating Pressure : 25bar (Without Thermowell)
Stem Diameter: 10mm
Case & Bezel: AISI 304 SS (Bayonet Type)
Stem Connection: AISI 316 SS
Joint: Tig Argon Arc Welding
Protection: IP 65
Dial: Aluminium
Pointer: Aluminium
Window: Safety Glass
Gasket: NBR

APPLICATIONS

All Stainless Steel Inert Gas Filled Thermometers
Areas suitable for Corrosive Media / Environments
In Process Industry Like Chemical , Food , Pharmaceutical,
Pulp & Paper Refinery, Cement & Many More.



RANGE TABLE

Nominal Range, Measuring Range & Limits of Error as per En13190		
Nominal Range(°C)	Measuring Range(°C)	Limits of Error(+/-°C)
-20 to +40	-10 to +30	1
-20 to +60	-10 to +50	1
-20 to +120	-10 to +110	2
-30 to +30	-20 to +20	1
-30 to +50	-20 to +40	1
-30 to +70	-20 to +60	1
-40 to +40	-30 to +30	1
-40 to +60	-30 to +50	1
-100 to +60	-80 to +40	2
0 to 60	10 to 50	1
0 to 80	10 to 70	1
0 to 100	10 to 90	1
0 to 120	10 to 110	2
0 to 160	20 to 140	2
0 to 200	20 to 180	2
0 to 250	30 to 220	2.5
0 to 300	30 to 270	5
0 to 400	50 to 350	5
0 to 500	50 to 450	5
0 to 600	100 to 500	10

NS	A	B	ΦC	ΦD	ΦE
63	12	39	63.5	62	15
100	16.3	41	100	98.4	15

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63	12	39	63.5	62	15
100	16.3	41	100	98.4	15

HOW TO ORDER

NOMINAL SIZE	D	F	G	H
	2.5 "(63mm)	4"(100mm)	5"(125mm)	6"(160mm)

TYPE OF MOUNTING

- | | |
|--|---|
| 1 WALL /SURFACE /PROJECTION MOUNTING WITH BOTTOM ENTRY | 7 CENTER BACK ENTRY WITH FRONT FLANGE |
| 2 DIRECT BOTTOM ENTRY | 9 EVERY ANGLE CENTER BACK ENTRY |
| 4 DIRECT CENTER BACK ENTRY | 8 CENTER BACK ENTRY WITH MOUNTING BRACKET |

PROCESS CONNECTION

- | | |
|----------------------------------|-----------------------|
| 4BM 1/2"BSP(M) (Standard) | 6BM 3/4"BSP(M) |
| 4NM 1/2"NPT(M) | 4MM M20X1.5(M) |
| 4TM 1/2"BSPT(M) | |

PROCESS CONNECTION TYPE

- | | | |
|----------------------|-----------------|----------------------------|
| ZI Adjustable | ZJ Fixed | KJ Revolving/Swivel |
|----------------------|-----------------|----------------------------|

STEM DIAMETER

- | | | | | | |
|---------------|------------------------|---------------|-----------------|----------------|----------------|
| 1U 6mm | 2M 1/4"(6.35mm) | 2C 8mm | 2I 9.5mm | 2J 10mm | 2K 12mm |
|---------------|------------------------|---------------|-----------------|----------------|----------------|

STEM LENGTH (BELOW THREAD)

Minimum Stem Length : 120 mm
Maximum Stem Length : 600 mm
Stem Diameter : 10 mm

RANGE

Refer Range Table

TYPE

- | | |
|---------------------------|--------------------------|
| A1 With Rigid Stem | A2 With Capillary |
|---------------------------|--------------------------|

CAPILLARY LENGTH (Max up to 25Mtrs.)

In Meters (Eg.1.5=1.5 Meters , 2.0=2 Meters)

CAPILLARY COVERED WITH ARMOUR

- | | |
|-----------------------|-----------------------|
| PF AISI 304 SS | PH AISI 316 SS |
|-----------------------|-----------------------|

OPTIONAL EXTRAS

- | | |
|---|--------------------------------------|
| PS AISI 316SS CASE & BEZEL** | RH CUSTOM DESIGN DIAL |
| PW FIVE POINT CALIBRATION CERTIFICATE | RX SHATTERPROOF /SAFETY GLASS |
| QA DAMPENING LIQUID SILICON OIL (-45/200 C) | RZ TOUGHENED GLASS |
| PY DAMPENING LIQUID GLYCERINE (UP TO 100 C) EXCEPT ELECTRICAL CONTACT | SW DIAL TAG MARKING |
| SJ MAXIMUM READING POINTER WITH PLEXI GLASS (FOR DRY VERSION OF 100mm to 150mm) | SX SS TAG PLATE |
| GH MATERIAL TEST CERTIFICATE | |
- *Gasket & Filling plug of NBR. Consult factory for Viton.
**Available for NS 100mm to 150mm.Consult with Factory for Minimum order quantity and delivery.
*Material Certificate according to EN 10204 3.1 B

ELECTRIC CONTACTS (FOR NS 100 & 150 mm Only) (CE APPROVED)

(WITH IP PROTECTION UP TO Ip55 & WINDOW POLYCARBONATE DOME TYPE)

A) SINGLE INSULATED MAGNETIC SNAP ACTION TYPE* (230 V AC, 1 Amp.) (48 V DC, 0.5 Amp.)

- | |
|---|
| RJ SINGLE; NORMALLY CLOSED (1 NC) |
| RK DOUBLE; NORMALLY CLOSED+ NORMALLY OPEN (1NC + 1NO) |
| RL SINGLE; NORMALLY OPEN (1 NO) |
| RM DOUBLE; NORMALLY OPEN + NORMALLY CLOSED (1 NO + 1 NC) |
| RN DOUBLE; NORMALLY CLOSED (BOTH NC) |
| RO DOUBLE; NORMALLY OPEN (BOTH NO) |
| RU BOOSTER WITH RELAY FOR CURRENT UPTO 5 Amp. |

B) INDUCTIVE TYPE (220 V AC , 0.4 Amp.)

- | |
|---|
| YW SINGLE; NORMALLY OPEN (1 NO) |
| YV SINGLE; NORMALLY CLOSED (1 NC) |
| YX DOUBLE; NORMALLY CLOSED + NORMALLY OPEN (1NC +1 NO) |
| YY DOUBLE; NORMALLY OPEN (BOTH NO) |
| YZ DOUBLE; NORMALLY CLOSED (BOTH NC) |
| ZA DOUBLE; NORMALLY OPEN + NORMALLY CLOSED (1 NO + 1 NC) |

*For Double Insulated Electrical Contacts , Consult Factory for Price & Delivery .

Ordering Example: T-01-X-X-XXX-XX-XX-120mm-0/100°C-XX-3Mtr-XX-XX-XX