



SPECIAL FEATURES

C € APPROVED ELECTRICAL CONTACTS. INERT GAS FILLED EXPANSION SYSTEM. STAINLESS STEEL CASE & STEM WITH OR WITHOUT THERMOWELL STANDARD FOLLOWED EN 13190.

APPLICATIONS

ALL STAINLESS STEEL INERT GAS FILLED THERMOMETERS ARES SUITABLE FOR CORROSIVE MEDIA / ENVIRONMENTS IN PROCES INDUSTRY LIKE CHEMICAL, FOOD & PHARMACEUTICAL, PULP & PAPER, REFINERY, CEMENT & MANY MORE.

STANDARD VERSION

NOMINAL SIZE: 100, 125, 150, 200 & 250 mm

Accuracy class 1 as per EN 13190 Ambient temperature -25° C to 65° C

Operating pressure 25 bar (without thermowell)

Over range limit 120 % of measuring range for short time (110 % > 500 °C)

Stem diameter 2 12 mm

Process connection ½"BSP (M) Adjustable ½"NPT (M)

Case & Bezel AISI 304 SS (Bayonet type)

Stem & connection **AISI 316 SS**

Joints Tig argon arc welding

Protection **IP 65**

Dial Aluminium, black graduation on white background Pointer Aluminium, black coloured micrometer zero adjustable

Instrument glass Window

Gasket Neoprene

Nominal Range, Measuring Ranges & Limits of Error as per EN 13190

Nominal Range (° C)	Measuring Range (°C)	Limits of Error (<u>+</u> °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	

SILICON FILLED VERSION (OPTION QA)

1 as per EN 13190 Accuracy class Ambient temperature Maximum 65°C Window

Plexi glass

Dampening liquids Silicon oil (others available as option)

Gasket & filling plug* **NBR**

Other features Refer specification of standard version

*Gasket & Filling plug of NBR. Consult factory for Viton.

1 the measuring range is limited on the dial by two triangle marks

The limit error is valid within this range.

2 The active length of the stem (bulb) depends on the diameter, the scale, range and the length of the capillary. (See drawings page 2)

Optional extras: see page 5



HOW TO ORDER BASIC MODEL							Example T-01
CODE NOMINAL SIZE	F	G	н	1	J		1-01
		125 mm	150 mm	200 mm			Χ
TYPE OF MOUNTING							
1 WALL / SURFACE / PROJECTION MOUNTING		5 LOW	ER BACK EN	ITRY WITH	FRONT FLANGE		
WITH BOTTOM ENTRY	8		RY ANGLE B				Χ
2 DIRECT BOTTOM ENTRY 3 DIRECT LOWER BACK ENTRY	Ś	LOW	ER BACK EN	ITRY WITH	MOUNTING BRAC	CKET	
PROCESS CONNECTION							
	4" BSP (M						XXX
	20 x 1.5 (M))						
4TM ½"BSPT(M)							
Note : Connections like Metric/ PT/ PF/ Fla	ired/ UNF/ G/	R etc ca	n be provid	ded on re	quest.		
PROCESS CONNECTION TYPE			•		•		
ZI ADJUSTABLE ZJ FIXED) K	J REV	OLVING / SW	/IVEL			XX
STEM DIAMETER							
1U 6 mm 2M 1/4" (6.35 mm)	2C	8 mm	-	2I 9.5 mm	n 2J 10 mm	2K 12 mm	XX
STEM LENGTH (BELOW THREAD)							
PLEASE SPECIFY IN mm Minimum stem Leng	th (Below Threa	.d) 130	mm 120 mn	120 mm	120 mm 100 m	m .	100 mn
Stem OD		6/6.35	mm 8 mm	9.5 mm	10 mm	-	100 11111
RANGE		0,0100	• • • • • • • • • • • • • • • • • • • •	0.0 111111	10 111111		
REFER RANGE TABLE							0/100 °
TYPE							
A1 WITH RIGID STEM							XX
A2 WITH CAPILLARY CAPILLARY LENGTH (Max up to 25M)	rs.)						
IN METERS (e.g. 1.5 = 1.5 METERS 2.0 = 2 METERS)							3Mtr.
CAPILLARY (Minimum curve radius 5) m/m)						
PE AISI 304 SS							XX
CAPILLARY COVERED WITH ARMOU		th PE or F					
	AISI 316 SS			PI PVC			XX
OPTIONAL EXTRAS							
PS AISI 316 SS CASE & BEZEL** PW FIVE POINT CALIBRATION CERTIFICATE				RH	CUSTOM DESIGN		
QA DAMPENING LIQUID SILICON OIL (-45 / 2)	00°C)			RX RZ	SHATTERPROOF TOUGHENED GL		
PY DAMPENING LIQUID GLYCERINE (UP TO 1	*	ELECTRIC	C CONTACT)		DIAL TAG MARKI		XX
SJ MAXIMUM READING POINTER WITH PLEX	(I GLASS (FOR	DRY VER	SION OF	SX	SS TAG PLATE		
NS 100 mm to 150 mm)	*0.1	. =	(NDD 0		THERMOWELL		
GH MATERIAL TEST CERTIFICATES ** Available for NS 100 mm to 150 mm. Consult factory for min		0 1	ug of NBR. Con	suit factory fo	r Viton.		
Material Certificate according EN 10204 3.1 B		,,					
ELECTRIC CONTACTS (FOR NS 100 & 15			APPROVED) <u> </u>			XX
(WITH IP PROTECTION UP TO IP 55 & WINDOW A) SINGLE INSULATED MAGNETIC SNAP ACTION		NATEDO	•	VE TYPE (2	20 V AC, 0.4 Amp.)		
(230 V AC, 1 Amp.)(48 V DC, 0.5 Amp.)			ŕ	·			
RJ Single; NORMALLY CLOSED (1 NC)RK Double; NORMALLY CLOSED + NORMALLY OF	'EN (1 NC +1 NC	0)	YW Single YV Single		LLY OPEN (1 NO) LLY CLOSED (1 NC)		
RL Single; NORMALLY OPEN (1 NO)	,	,	YX Double	e; NORMAL	.LY CLOSED + NOR	•	C +1 NO)
RM Double; NORMALLY OPEN + NORMALLY CLOS RN Double; NORMALLY CLOSED (BOTH NC)	ובט (1 NO + 1 Ni)	(ن			LY OPEN (BOTH NO LY CLOSED (BOTH	,	
RO Double; NORMALLY OPEN (BOTH NO)					LY OPEN + NORMA	,) + 1 NC)
RU BOOSTER WITH RELAY FOR CURRENT UPTO	- A					`	

Ordering Example: **T_01** - X - X - XXX - XX - XX - 100 mm - 0/100°C - XX - 3Mtr - XX - XX - XX - XX

FOR OTHER OPTIONAL ITEMS, PLEASE CONTACT FACTORY FOR DELIVERY AND MINIMUM QUANTITY OF ORDER.

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