



SPECIAL FEATURES

- STAINLESS STEEL CASE & STEM
- BOTTOM / BACK / EVERY ANGLE ENTRY
- SILICON OIL FILLED (OPTIONAL)
- WITH OR WITHOUT THERMOWELL
- EXTERNAL ZERO ADJUSTMENT (OPTIONAL)
- STANDARD FOLLOWED EN 13190.

APPLICATIONS

CHEMICALS / REFINERY / FERTILIZER / PETROCHEMICALS / PHARMACEUTICAL / POWER / CEMENT / SUGAR / FOOD & BEVERAGES / PULP & PAPER & ALLIED PROCESS INDUSTRIES WHICH ARE HAVING CORROSIVE MEDIA / ENVIRONMENT.

STANDARD VERSION

NOMINAL SIZE : 63,80,100,125 & 150 mm

- Accuracy class 1 as per EN 13190
- Ambient temperature -25° C to +60° C
- Operating pressure 25 bar (Without thermowell)
- Over range limit Upto 120°C : 100% f.s. / 160 to 300°C : 50% f.s. / 400 to 500°C : 510°C
- Stem diameter 8 mm
- Process connection ½”BSP (M) or ½” NPT (M) sliding on stem or fixed
- Case & bezel Bayonet lock type
- Case, bezel & clamp AISI 304 SS
- Stem & connection AISI 316 SS
- Joints Tig argon arc welding
- Sensing element coiled bimetal

- Protection class IP 65 [EN 60529 / IEC 529]
- Dial Aluminium, black graduation on white background
- Pointer Aluminium, black coloured, slotted zero adjustable &
- Zero adjustment Externally for mounting type 4, 8 & 14
- Window Sheet glass (Safety glass for ATEX version)
- Gasket Neoprene rubber

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

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

SILICON FILLED VERSION (OPTION QA)

- Accuracy class 1 as per EN 13190
- Process temperature -45 to +200°C
- Window Plexi glass (Safety glass for ATEX version)
- Case & Stem filled with Silicon Oil (others available as option)
- Dampening liquids NBR
- Gasket & filling plug Refer specification of standard version
- Other features

The measuring range is indicated dial by two triangular marks. Within this range the stated limit of error is valid according to EN 13190

HOW TO ORDER

Example

BASIC MODEL

CODE	D	E	F	G	H	T-02
NOMINAL SIZE						
TYPE OF MOUNTING	63 mm	80mm	100 mm	125 mm	150 mm	X
2	DIRECT BOTTOM ENTRY					X
4	DIRECT CENTER BACK ENTRY					
8	EVERY ANGLE BACK ENTRY					
14	BOTTOM ENTRY THROUGH ELBOW					

* Available with external zero adjustment, Refer option RS.

PROCESS CONNECTION

3BM	3/8" BSP(M)	(Stem Dia. Max. 9.5 & 10 mm)	XXX
4BM	1/2" BSP(M)	(Stem Dia. Max. 12 mm)	
4NM	1/2" NPT(M)	(Stem Dia. Max. 12 mm)	
4MM	M 20 x 1.5	(Stem Dia. Max. 12 mm)	
4YN	1 1/2" TRICLOVER**	(Stem Dia. Max. 12 mm)	
5BN	3/4" BSP (M)		
5NM	3/4" NPT (M)		
6BM	1" BSP (M)		
6NM	1" NPT (M)		

** Without clamp & bottom mating part..

Note : Connections like Metric/ PT/ PF/ Flaired/ UNF/ G/ R etc can be provided on request.

PROCESS CONNECTION TYPE

ZI	ADJUSTABLE	ZJ	FIXED	KJ	REVOLVING / SWIVEL	XX
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STEM DIAMETER

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

PLEASE SPECIFY IN mm (REFER SCALE FOR MINIMUM & MAXIMUM STEM LENGTHS)	100 mm
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RANGE

REFER RANGE TABLE	0/100°C
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OPTIONAL EXTRAS

PS	AISI 316 SS CASE & BEZEL	RS	EXTERNAL ZERO ADJUSTMENT	
PW	FIVE POINT CALIBRATION CERTIFICATE	RX	SAFETY GLASS	
QA	DAMPENING LIQUID SILICON OIL (-45 UP TO 200°C)	RZ	TOUGHENED GLASS	XX
PY	DAMPENING LIQUID GLYCERINE (+50 UP TO 150°C)**	SX	SS TAG PLATE	
RH	CUSTOM DESIGNED DIAL	GH	MATERIAL TEST CERTIFICATES AS PER EN 10204 3.1##	
SW	DIAL TAG MARKING			

**Gasket & Filling plug of NBR.

MATERIAL TEST CERTIFICATES WILL BE PROVIDED FOR WETTED PARTS ONLY WITH CHEMICAL COMPOSITION TESTING.

Ordering Example: T-02 - X - X - XXX - XX - XX - 100 mm - 0/100°C - XX

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