



Bimetal thermometers



Application:

- A wide range of applications in machine building, vessel, piping and apparatus construction
- Food & Beverage
- Oil & Gas / Chemical
- Water & Waste water

Features:

- Case and stem from stainless steel
- According to EN13190
- For corrosive gasses and liquids
- Option : liquid filled or fillable

Specifications:

Dial size: 1", 1.5", 2", 2.5", 3", 4", 5", 6"

Accuracy class: 2.5%(1", 1.5", 2", 2.5", 3");
1.6% (4", 5", 6")

Capillary: SS304, max. length 50m

Case: SS304

Window: Polycarbonate

Dial: Aluminum, flat or bowl type

Pointer: Aluminum, black

Temperature ranges: -40 to 600 °C

Accessories: Sliding connections and thermowells

Movement: Bi-metallic coil

Temperature limit: ≤ 400 °C: 135 % F.S.

ranges > 400 °C: 100 % F.S.

Immersion tube: SS304 or 316L, max. length 1m

Minimum immersion Immersion tube Ø 6 mm: L2 ≥ 65 mm

length: Immersion tube Ø 8 mm: L2 ≥ 50 mm

Protection rating: IP 67

Options:

Oil filling (silicon oil)

Process connections

Accuracy ±1% F.S.

Customer specific immersion length

With thermowell (one piece or welding, screw type or flange type for option)

Zero adjustment by knob on the backside(only for crimped style)

Models:



bottom connection
crimped ring



bottom connection
bayonet ring



center back
every angle



center back
crimped ring

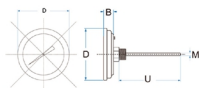


center back
bayonet ring

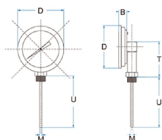


Bimetal thermometers

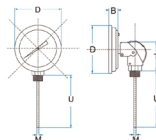
Dimensions:



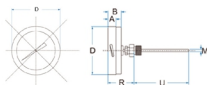
Crimped ring back connection thermometer



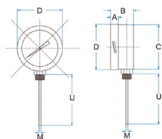
Crimped ring bottom thermometer



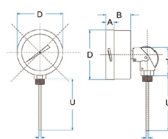
Crimped ring adjustable angle thermometer



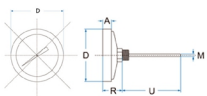
Inside bayonet ring back connection thermometer



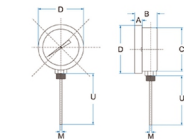
Inside bayonet ring bottom thermometer



Inside bayonet ring adjustable angle thermometer



Outside bayonet ring back connection thermometer



Outside bayonet ring bottom thermometer

Type	Case Material	Dial Size (inch)	Connection	Bezel Styles	B(mm)	D(mm)	M(mm)	T(mm)	U(mm)
BT-SS-2-BKM-CR	Stainless Steel	2	Back	Crimped Ring	13	54	6	1	38
BT-SS-2.5-BKM-CR	Stainless Steel	2.5	Back	Crimped Ring	14	63	6	1	115
BT-SS-3-BKM-CR	Stainless Steel	3	Back	Crimped Ring	20	84	6	1	152
BT-SS-4-BKM-CR	Stainless Steel	4	Back	Crimped Ring	22	110	6	1	62
BT-SS-6-BKM-CR	Stainless Steel	6	Back	Crimped Ring	22	159	6	1	125
BT-SS-3-BTM-CR	Stainless Steel	3	Bottom	Crimped Ring	20	84	6	63	80
BT-SS-4-BTM-CR	Stainless Steel	4	Bottom	Crimped Ring	22	110	6	92	99
BT-SS-4-ADJ-CR	Stainless Steel	4	Adjustable	Crimped Ring	24	110	6	65	152

Type	Case material	Dial Size (inch)	Connection	Bezel Styles	A (mm)	B (mm)	C (mm)	D (mm)	M (mm)	R (mm)	T (mm)	U (mm)
BT-SS-4-BKM-IBR	Stainless Steel	4	Back	Inside Bayonet Ring	18	28	99	101	6	3	1	113
BT-SS-6-BKM-IBR	Stainless Steel	6	Back	Inside Bayonet Ring	18	28	146	150	6	3	1	275
BT-SS-4-BTM-IBR	Stainless Steel	4	Bottom	Inside Bayonet Ring	18	49	99	101	6	1	1	99
BT-SS-4-ADJ-IBR	Stainless Steel	4	Adjustable	Inside Bayonet Ring	18	28	99	101	6	1	65	113

Type	Case material	Dial Size (inch)	Connection	Bezel Styles	A (mm)	B (mm)	C (mm)	D (mm)	M (mm)	R (mm)	T (mm)	U (mm)
BT-SS-4-BKM-OB	Black Steel	4	Back	Outside Bayonet Ring	15	1	1	110	8	35	1	10
BT-SS-4-BTM-OB	Black Steel	4	Bottom	Outside Bayonet Ring	15	51	100	110	8	35	1	10
BT-SS-5-BKM-OB	Stainless Steel	5	Bottom	Outside Bayonet Ring	10	18	115	130	8	1	84	150

Note: 1) We have made kinds of screw thread to orders 2) U could be made as OEM



How to order bimetal thermometer:

	CODE	CHARACTERISTICS							
Basic type	BT	All stainless steel bimetal thermometer							
Diameter	1	1"							
	1.5	1.5"							
	2	2"							
	2.5	2.5"							
	3	3"							
	4	4"							
Process Connection	5	5"							
	6	6"							
	DM	Without connection (direct mounting)							
	SC	With sliding connection							
Connection	FC	With fix connection							
	Specific connection:								
Bezel Styles	CR	Crimped ring							
	IBR	Inside bayonet ring							
	OBR	Outside bayonet ring							
Immersion tube outlet	B	Bottom							
	CB	Center back							
	CBEA	Center back, every angle							
Immersion tube diameter	6	6mm							
	8	8mm							
	10	10mm							
	12	12mm							
Immersion tube length L1	60	60mm							
	100	100mm							
	160	160mm							
	250	250mm							
	400	400mm							
	600	600mm							
	1000	1000mm							
Customer specific length:									
Options to be added:									
1. temperature range:									
2. process connection:									

Thermowell:



ScREW type thermowell



Flange type thermowell



Sanitary thermowell