

# Bimetal thermometer with electrical contact

**Model : T751(H), T752(H/L), T753(L), T754(H/HH)**

Spec. sheet no. TD07-03

## Service intended

Contact type temperature gauge is installed with electric contact actuated by pointer. It provides the function which electrical circuit can be opened or closed by manual setpoint. It is applicable where signal is required (Audible or visual alarm) for control of resistance or any other application with auxiliary relay and contact.



## Nominal diameter

100 mm

## Accuracy

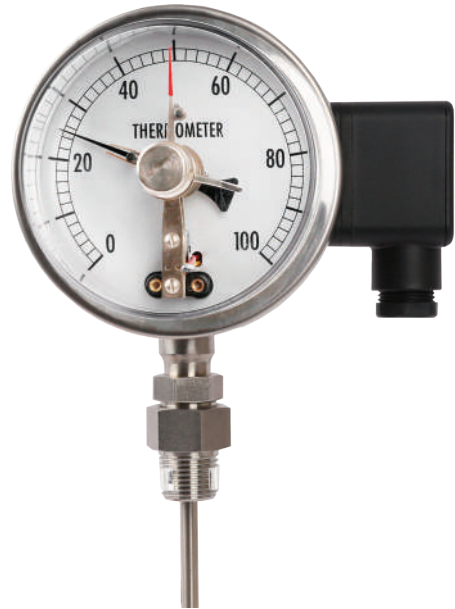
±2.0% of full scale

## Temperature element

Coiled bimetal

## Working range

Maximum scale value



## Standard features

### Location of stem

Bottom connection, direct  
Center back connection, direct

### Case

304SS

### Cover

304SS

### Window

Acrylic

### Dial

White aluminium with black graduation

### Contacts

Maximum voltage : 250 V AC  
Contact rating : AC 220 V, 0.25 A  
DC 100 V, 0.5 A  
With max. no of contact : 2 sets per gauge

### Pointer

Black painted aluminium alloy

### Stem

6.0, 6.4, 8.0 and 10.0 mm  
304SS, 316SS and 316L SS

### Stem connection

¼", ⅜", ½", ¾" PT, NPT and PF

### Optional

±1.0% of full scale

**1. Base model**

- T751** Bimetal thermometer with electric contact (High alarm)
- T752** Bimetal thermometer with electric contact (High and low alarm)
- T753** Bimetal thermometer with electric contact (Low alarm)
- T754** Bimetal thermometer with electric contact (High and high alarm)

**2. Nominal diameter (mm)**

- 4** 100

**3. Type of mounting**

- W** Bottom connection, direct
- X** Center back connection, direct

**4. Stem material**

- 0** 304SS
- 1** 316SS
- 2** 316L SS

**5. Stem, process connection**

- A** None
- C** ¼"
- D** ⅜"
- E** ½"
- F** ¾"

**6. Stem connection type (CF: Compression fitting)**

- A** None
- B** PF
- C** PT
- D** NPT
- E** CF + PT
- F** CF + NPT
- G** CF + PF
- H** MT + PT (Movable thread)
- I** MT + NPT (Movable thread)
- J** MT + PF (Movable thread)
- S** Clamp (Sanitary type flange)

**7. Stem outer diameter (mm)**

- 0** 6.0
- 1** 6.4
- 2** 8.0
- 3** 10.0 (Not available process connection, ¼")

**8. Range**

- XXX** Refer to scale range table

**9. Insertion length**

- X** Refer to insertion length table

**10. Accessories**

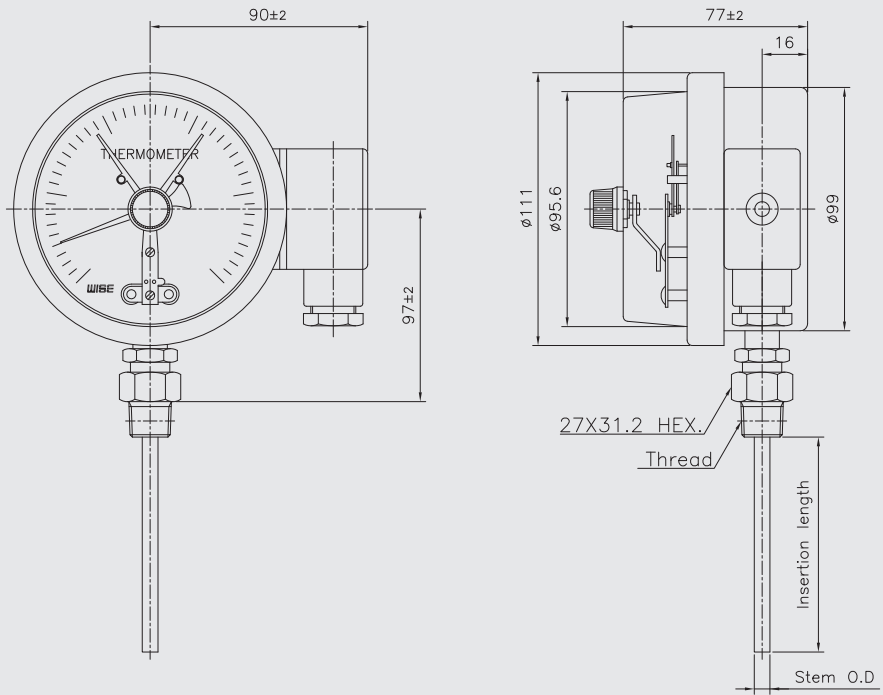
- 0** None
- 1** Thermowell
- 2** Special accuracy (±1.0% of full scale)
- 3** Thermowell and special accuracy

1	2	3	4	5	6	7	8	9	10
T751	4	W	0	E	C	3	XXX	X	1

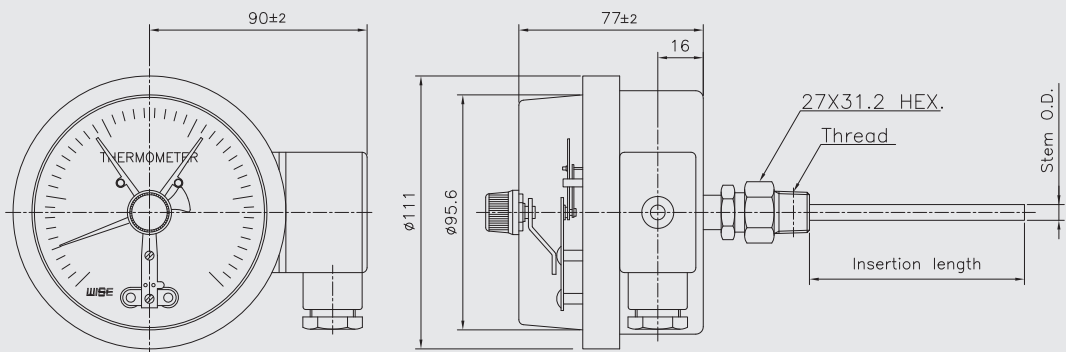
Sample  
ordering code

## T75X : Type of mounting

Code W



Code X



## Scale ranges

Code	Scale range (°C)	Scale spacing (°C)	Minimum stem length (mm)	
			6.0 and 6.4	8.0 and 10.0
032	-50 ~ 50	2	55	50
037	-50 ~ 100	5	45	35
054	-30 ~ 50	2	70	60
059	-30 ~ 100	5	50	45
061	-30 ~ 120	2	45	35
069	-20 ~ 50	2	80	70
074	-20 ~ 100	2	45	45
079	-20 ~ 150	5	40	35
084	-10 ~ 50	1	95	80
099	0 ~ 50	1	110	70
100	0 ~ 60	1	95	80
101	0 ~ 70	2	80	60
102	0 ~ 80	1	70	90
104	0 ~ 100	2	55	50
106	0 ~ 120	2	50	45
109	0 ~ 150	2	45	35
114	0 ~ 200	5	35	35
119	0 ~ 250	5	35	30
124	0 ~ 300	5	35	25
129	0 ~ 350	5	30	25
134	0 ~ 400	5	80	65
144	0 ~ 500	10	70	60
154	0 ~ 600	10	70	60
164	0 ~ 700	10	70	60

\* 0 ~ 700°C/Special range

## Insertion length

Code	1	2	3	4	5	6	7	8	9	A	B	C
Length (mm)	50	60	70	80	100	120	130	150	175	200	225	250

Code	D	E	F	G	H	J	K	L	M	N	P
Length (mm)	275	300	350	375	400	450	500	550	1,000	1,500	2,000