

**PROCESS INDUSTRY  
BIMETAL THERMOMETER WITH ADJUSTABLE STEM  
MODEL : T190**

**WISE<sup>®</sup>**

**SERVICE INTENDED**

Bimetal Thermometer is used for measuring temperature of gas or liquid fluid. This is suitable for measurement, regulation and direct monitoring of the fluid and meets the most stringent criteria on resistance to corrosive atmosphere and exceptionally climatic circumstance.

**NOMINAL DIAMETER**

100,125 and 150 mm

**ACCURACY**

±1.0% of Full Scale

**TEMPERATURE ELEMENT**

Coiled Bimetal

**WORKING RANGE**

Maximum Scale Value



TD01 - 07

**Standard Features**

**LOCATION OF STEM**

Centre Back with Adjustable Stem

**CASE**

304SS, Adjustable on Stem 90°

**COVER**

304SS

**WINDOW**

Glass

**DIAL**

White Aluminium with  
Black Graduations

**POINTER**

Black Aluminium

**STEM**

6.0, 6.4, 8.0 and 10.0mm Diameter  
304SS and 316SS  
Max. Stem Length : 2000 mm

**ZERO ADJUSTMENT**

External at the Back of Case

**STEM CONNECTION**

3/8", 1/2", 3/4" PT or NPT

# ORDERING INFORMATION

## BASE MODEL

**T190** : PROCESS INDUSTRY BIMETAL THERMOMETER WITH ADJUSTABLE STEM

### NOMINAL DIAMETER

- 3 : 75mm
- 4 : 100mm
- 5 : 125mm
- 6 : 150mm

### TYPE OF MOUNTING

Y : Centre Back with Adjustable Stem

### STEM MATERIAL

- 0 : 304SS
- 1 : 316SS

### CONNECTION

- D : 3/8"
- E : 1/2"
- E : 3/4"

### CONNECTION TYPE (CF : Compression Fitting)

- C : PT
- D : NPT
- E : CF + PT
- E : CF + NPT

### STEM OUT DIA.

- 0 : 6.0mm
- 1 : 6.4mm
- 2 : 8.0mm
- 3 : 10.0mm

### RANGE(Refer to Scale Range Table)

XXX

### STEM LENGTH

(Refer to Stem Length Table)

X

### ACCESSORIES

- 0 : None
- 1 : Thermowell

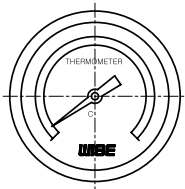
T190 4 Y 0 E C 1 XXX X 1

SAMPLE  
MODEL  
NUMBER

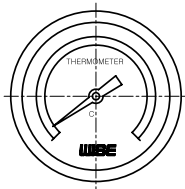
TD01 - 07

# T190 : TYPE OF MOUNTING

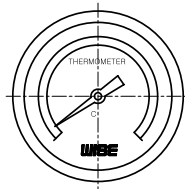
CODE Y



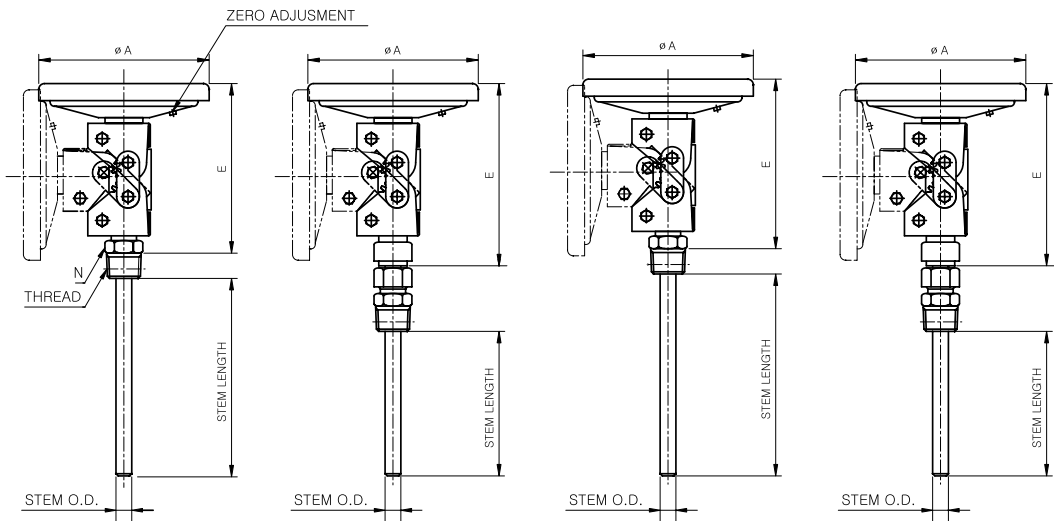
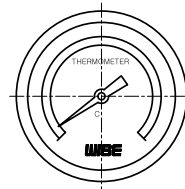
CODE Y\*



CODE Y\*\*



CODE Y\*\*\*



Dimensions (mm)

DIAL SIZE	AVAILABLE CODE	A	E	N
75	Y	86	98	22x25.4 HEX
	Y*	86	96	22x25.4 HEX
100	Y	111	102	22x25.4 HEX
	Y*	111	100	22x25.4 HEX
125	Y	138	103	22x25.4 HEX
	Y*	138	101	22x25.4 HEX
150	Y**	168.5	135	22x25.4 HEX
	Y***	168.5	133	22x25.4 HEX

## SCALE RANGES

Code	Scale Range (°C)	Scale Spacing(°C)	Minimum Stem Length (mm)	
			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

## STEM 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	Z
Length(mm)	275	300	350	375	400	450	500	550	1000	1500	2000	Longer than 2000