

# INDUSTRIAL BIMETAL THERMOMETER MODEL : T111

# 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 exceptional climatic circumstance.

## NOMINAL DIAMETER

75, 100, 125 and 150mm

## ACCURACY

±1.0% of Full Scale (0 up to 200°C)  
±2.0% of Full Scale

## TEMPERATURE ELEMENT

Coiled Bimetal

## WORKING RANGE

Maximum Scale Value



TD01 - 02

## Standard Features

### LOCATION OF STEM

Centre Back Connection, Direct

### CASE

304SS

### 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 : 2000mm

### ZERO ADJUSTMENT

External at the Back of Case

### STEM CONNECTION

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

# ORDERING INFORMATION

## BASE MODEL

**T111** : INDUSTRIAL BIMETAL THERMOMETER

### NOMINAL DIAMETER

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

### TYPE OF MOUNTING

X : Centre Back Connection, Direct

### 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

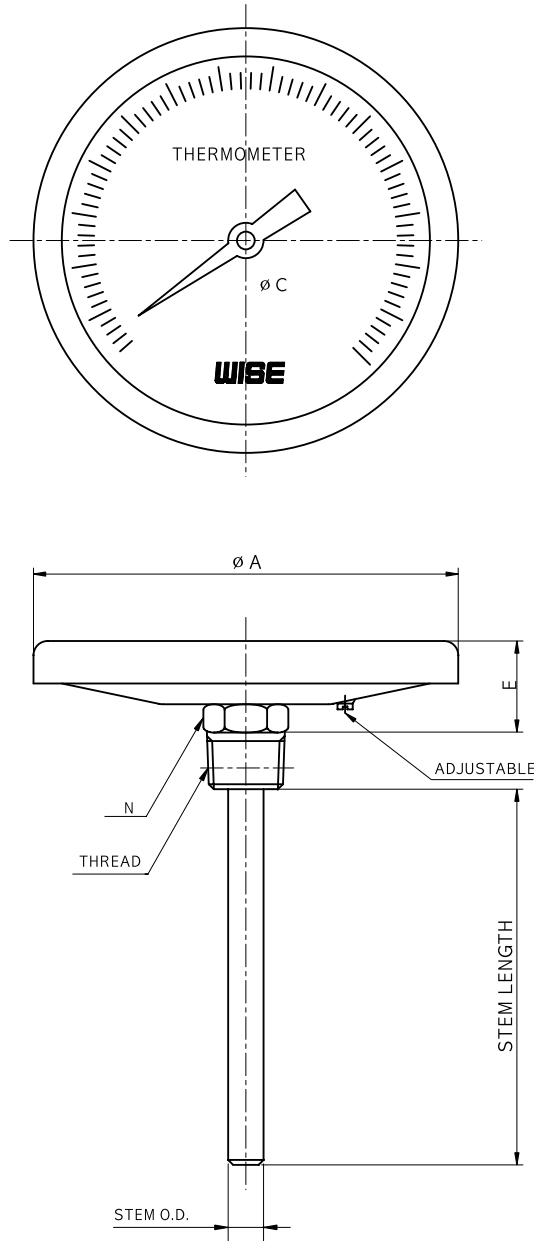
### ACCESSORIES

- 0 : None
- 1 : Thermowell

T110 4 X 0 E C 1 XXX X 1

SAMPLE  
MODEL  
NUMBER

## T111 : TYPE OF MOUNTING



Dimensions (mm)

DIAL SIZE	A	E	N
75	86	27	22x25.4 HEX
100	111	32	22x25.4 HEX
125	138	33	22x25.4 HEX
150	168.5	41	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