

GWSS



PRODUCT DESCRIPTION

Bimetallic thermometer is a kind of instrument for on site temperature measurement. It could detect temperature of liquid, steam and gas medium in range of $-80^{\circ}\text{C} \sim +500^{\circ}\text{C}$ directly. Mainly used in chemical, petroleum, food, machinery manufacturing and other fields.

FEATURES

- On site temperature reading, direct and convenient
- Safe and stable, with long service life
- Multiple structure options for various requirement

OPERATING THEORY

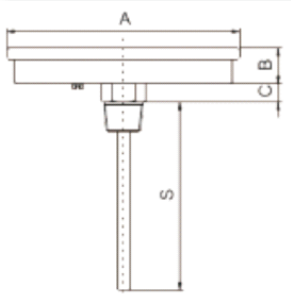
Bimetallic thermometer is made by two curved metal strips, when the strips expanded by heat, indicator of the thermometer will turn and indicate temperature according to EMF

PARAMETERS

Dial size	50, 63,80, 100,125, 150mm
Temperature sensing element	Bimetal
Accuracy	$\pm 1.5\%$
Dial temperature range	$-80 \sim +550^{\circ}\text{C}$
Temperature tube material	SS304
Dial shell material	SS304
Lens	Sealed glass
Protection level	IP65
Structure type	Axial, Straight, Multi-direction type
Storage and transportation Temperature	$-20 \sim +60^{\circ}\text{C}$

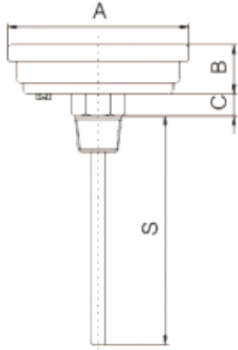
STRUCTURE

Axial type



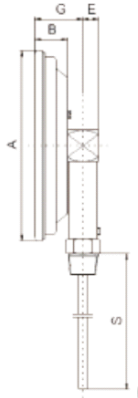
Dial size	A	B	C	Screw	Hex Head
2"(50)	58	10	9	1/4"NPT	14
2.5"(63)	62.5	10	9	1/4"NPT	14

Axial type



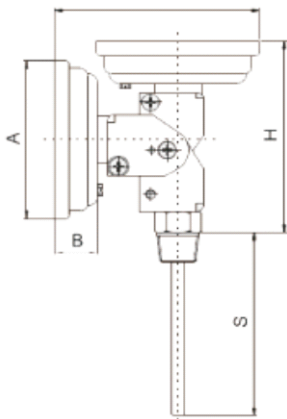
Dial size	A	B	C	Screw	Hex Head
3"(80)	83.5	25	10	1/2"NPT	22
4"(100)	110	25	10	1/2"NPT	22
5"(125)	134	25	10	1/2"NPT	22
6"(150)	160	25	10	1/2"NPT	22

Straight type



Dial size	A	B	E	G	Screw	Hex Head
2.5"(63)	62.5	10	11	21	1/4"NPT	14
3"(80)	83.5	25	11	36	1/2"NPT	22
4"(100)	110	25	11	36	1/2"NPT	22
5"(125)	134	25	11	36	1/2"NPT	22
6"(150)	160	25	11	36	1/2"NPT	22

Multi-direction type



Dial size	A	B	H	Screw	Hex Head
3"(80)	83.5	25	100	1/2"NPT	22
4"(100)	110	25	100	1/2"NPT	22
5"(125)	134	25	100	1/2"NPT	22
6"(150)	160	25	100	1/2"NPT	22

TYPE SELECTION

GWSS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Note
Temperature range	***						-80~+500℃
Dial size	2						Φ50
	2.5						Φ63
	3						Φ80
	4						Φ100
	5						Φ125
	6						Φ150
Probe diameter	6						Φ6mm
	6.35						Φ6.35mm
	8						Φ8mm
	9						Φ9mm
	10						Φ10mm
	12						Φ12mm
Probe length	2.5						63mm
	4						100mm
	6						150
	9						225mm
	12						300mm
	***						Customized
Structure type					B		Axial type (Horizontal type)
					C		Straight type (Radial type)
					D		Multi-direction type (Adjustable angle type)
Installation method						0	No thread
						1	Fixed thread