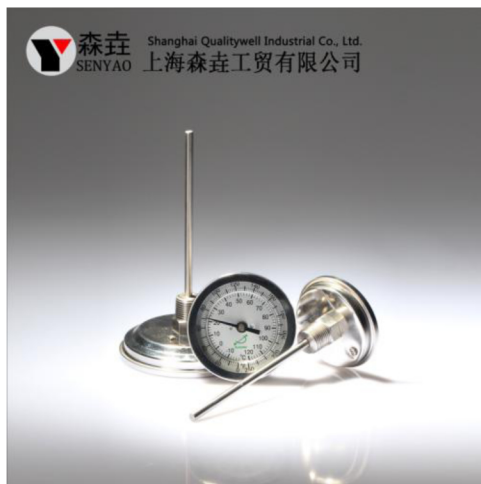
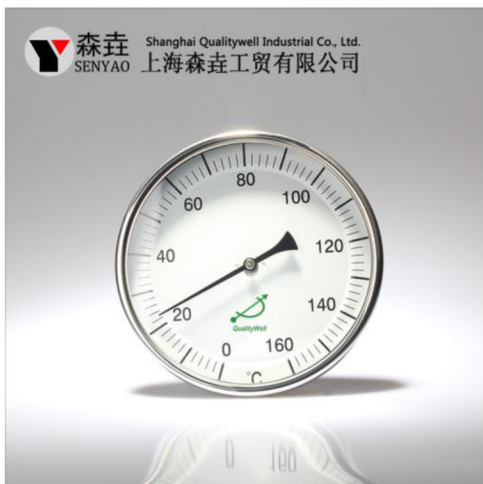


## ***Bimetal thermometers 200, 221, 300, 400, 500 & 600 Series Stainless steel version***



### **APPLICATIONS**

Chemical and petrochemical industry.

Power engineering. Food industry.

Machine building and general plant construction.

## DESCRIPTION

These series of thermometers are designed for installation in pipes, vessels, plant and machinery.

Stem and case are made of stainless steel 304.

To allow fitting to the process, different insertion lengths and process connections are available.

Thermowells are recommended for pressure, corrosive fluid or high velocity applications.

## GENERAL SPECIFICATIONS

**Case:** corrosion resistant SS304 case and bezel. Designed and constructed to provide a hermetic seal IP65, which prevents fogging and damage caused by moisture to the working components.

**Dial:** aluminum with white matt finish, flat or dish type. It offers accurate indication of °C and °F scales.

**External Reset:** standard on all process grade bimetal thermometers. A screw on case back side allows to field calibrate the thermometer. This feature guarantees maximum accuracy at a selected area of temperature range.

**Window:** clear and strong glass, gasketed to maintain weather tight integrity.

**Stem:** SS304 welded at tip and case connector to prevent leakage. Different stem lengths are available.

**Bimetal Element:** an extremely responsive temperature sensing element which has been carefully sized and tested in order to ensure continued accuracy.

**Standards:** QualityWell manufactures bimetal thermometers in compliance with the ISO 9001:2008, RoHS, ASME B40.200-2008 and EN13190 standards.

**Accuracy:** Guaranteed to be accurate in accordance with the ASME B40.200-2008 or EN13190 standards.

**One Year Warranty:** the units are guaranteed to be free from defects in material and workmanship under normal use and service.



## STANDARD FEATURES

<b>Measuring element:</b>	bi-metal coil
<b>Case:</b>	SS304
<b>Bezel:</b>	SS304, sealed type
<b>Nominal Size:</b>	50mm, 63mm, 80mm, 100mm, 125mm and 150mm
<b>Dial:</b>	aluminum, dish or flat, black lettering
<b>Pointer:</b>	aluminum, black
<b>Zero adjustment:</b>	on case back side
<b>Window:</b>	gasketed glass
<b>Hermetic seal:</b>	sealed
<b>Stem:</b>	SS304, diameter 6,35mm, different lengths available, plain or with thread
<b>Connection:</b>	back, bottom and every angle
<b>Thread:</b>	¼" and ½" BSP or NPT
<b>Accuracy:</b>	+/-1% or +/-1°C & 2°C
<b>Range:</b>	single in °C
<b>Ingress protection:</b>	IP 65
<b>Temperature limits for storage and transport:</b>	-20 ... +60°C
<b>Ranges:</b>	-80 ... +550°C

## OPTIONS:

<b>Stem:</b>	diameters 8mm, 9mm, 10mm, 12mm
<b>Dial:</b>	special measuring ranges or dial printing to customer specifications (on request)
<b>Range:</b>	dual in °C/°F or single in °F
<b>Fillable:</b>	fillable or not fillable



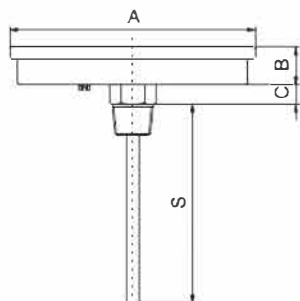
## CONNECTION DESIGN

1. PLAIN STEM
2. MALE THREAD

NOMINAL SIZE	PROCESS CONNECTION
50mm	1/4" BSP 1/4" NPT
63mm	1/4" BSP 1/4" NPT
80mm	1/2" BSP 1/2" NPT
100mm	1/2" BSP 1/2" NPT
125mm	1/2" BSP 1/2" NPT
150mm	1/2" BSP 1/2" NPT

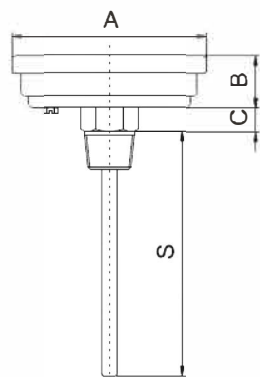
## CASE DIMENSIONS

### BACK



(Size: mm)

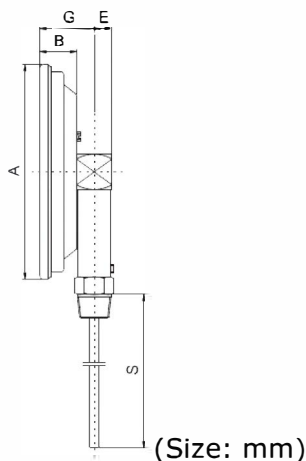
Number	Dial Size	A	B	C	CONN.	HEX
T200	2"	55.0	12.0	9.0	1/4"NPT	14
T221	2.5"	62.5	13.5	9.0	1/4"NPT	14



(Size: mm)

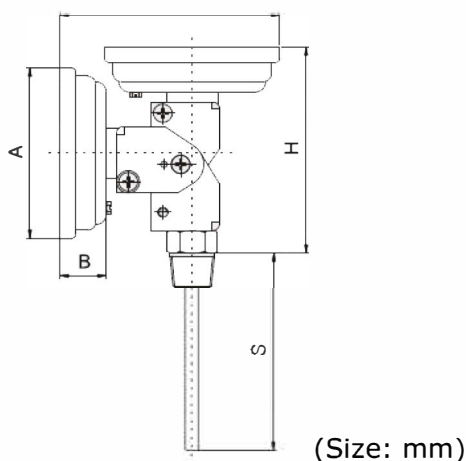
Number	Dial Size	A	B	C	CONN.	HEX
T300C	3"	83.5	20.0	10.0	1/2"NPT	22
T400C	4"	110.0	21.0	10.0	1/2"NPT	22
T500C	5"	134.0	22.5	10.0	1/2"NPT	22
T600C	6"	160.0	23.0	10.0	1/2"NPT	22

## BOTTOM



Number	Dial Size	A	B	E	G	CONN.	HEX
I300C	3"	83.5	20.0	11.0	36.0	1/2"NPT	22
I400C	4"	110.0	21.0	11.0	36.0	1/2"NPT	22
I500C	5"	134.0	22.5	11.0	36.0	1/2"NPT	22
I600C	6"	160.0	23.0	11.0	36.0	1/2"NPT	22

## EVERY ANGLE



Number	Dial Size	A	B	H	CONN.	HEX
A300C-1	3"	83.5	20.0	100.0	1/2"NPT	22
A400C-1	4"	110.0	21.0	100.0	1/2"NPT	22
A500C-1	5"	134.0	22.5	100.0	1/2"NPT	22
A600C-1	6"	160.0	23.0	100.0	1/2"NPT	22