

# Temperature Sensor (Pt-100)

## KWTE Series

The Ketwells, Series KWTE Temperature Sensor (Pt-100) is designed to measure air and liquid temperature. It offers installation flexibility, making it suitable for use with pipes, ducts, and tanks in a wide range of applications. Various enclosure options are available to match different environmental conditions, and the probe length can be customized to meet specific installation needs.

## Application

- Building Automation
- HVAC System
- VAV Temperature Sensing
- Chiller and Boiler
- AHU Monitoring
- Refrigeration
- Piping and Ducts
- Storage Tank
- Production etc.

## Model Selection

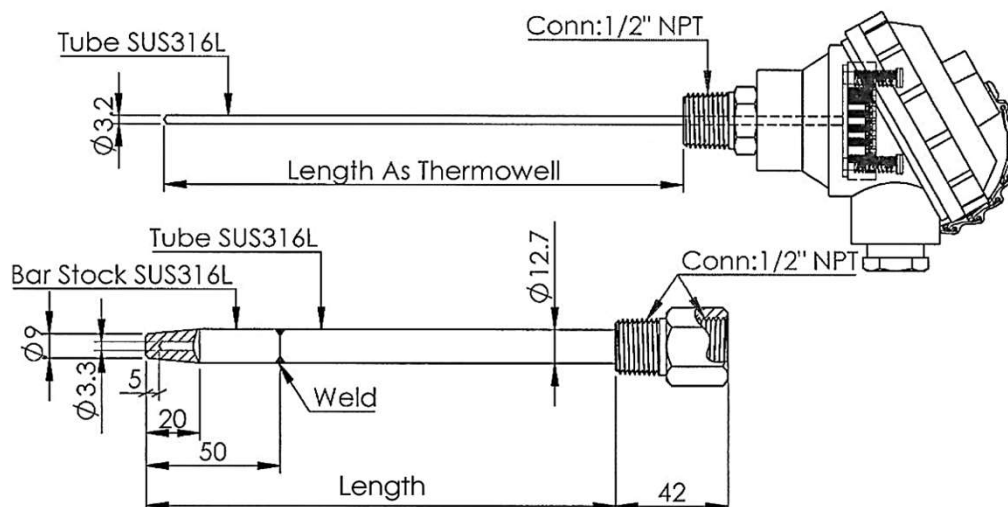
Series	KWTE			
Equipment Type		-S	Sensor	
		-T	Transmitter	
Sensor Type		P13	RTD Pt100 3-wire	
		P14	RTD Pt100 4-wire	
Accuracy		1	$\pm 0.1^{\circ}\text{C}$ at $0^{\circ}\text{C}$ ( For Class A ) , IEC 751	
		2	$\pm 0.03^{\circ}\text{C}$ at $0^{\circ}\text{C}$ ( For 1/10 DIN ) , IEC 751	
Housing/Enclosure		-BAL	Big Enclosure Aluminum (IP68)	
		-SAL	Small Enclosure Aluminum (IP68)	
		-BBK	Big Enclosure Bakelite (IP65)	
		-SBK	Small Enclosure Bakelite (IP65)	
		-BSS	Big Enclosure Stainless Steel 316L (IP68)	
		-SSS	Small Enclosure Stainless Steel 316L (IP68)	
Process Connection		1N	1/4" Male NPT	
		2N	3/8" Male NPT	
		3N	1/2" Male NPT	
		4N	3/4" Male NPT	
		5N	1" Male NPT	
		C	Custom Thread	
		N	None	
Probe Length		02	2.5 inch	
		04	4 inch	
		06	6 inch	
		08	8 inch	
		10	10 inch	
		12	12 inch	
		14	14 inch	
		16	16 inch	
		18	18 inch	
		24	24 inch	
		C	Custom Length	
Thermowell		-TW1	IN : OUT (1/4" NPT F : 1/2" NPT M)	
		-TW2	IN : OUT (3/8" NPT F : 1/2" NPT M)	
		-TW3	IN : OUT (1/2" NPT F : 1/2" NPT M)	
		-TW4	IN : OUT (3/4" NPT F : 1" NPT M)	
		-TW5	IN : OUT (1" NPT F : 1" NPT M)	
		-TW6	IN : OUT (1/4" NPT F : 1/2" NPT M)	
			Open End	
		-C	Custom	
		-N	None	



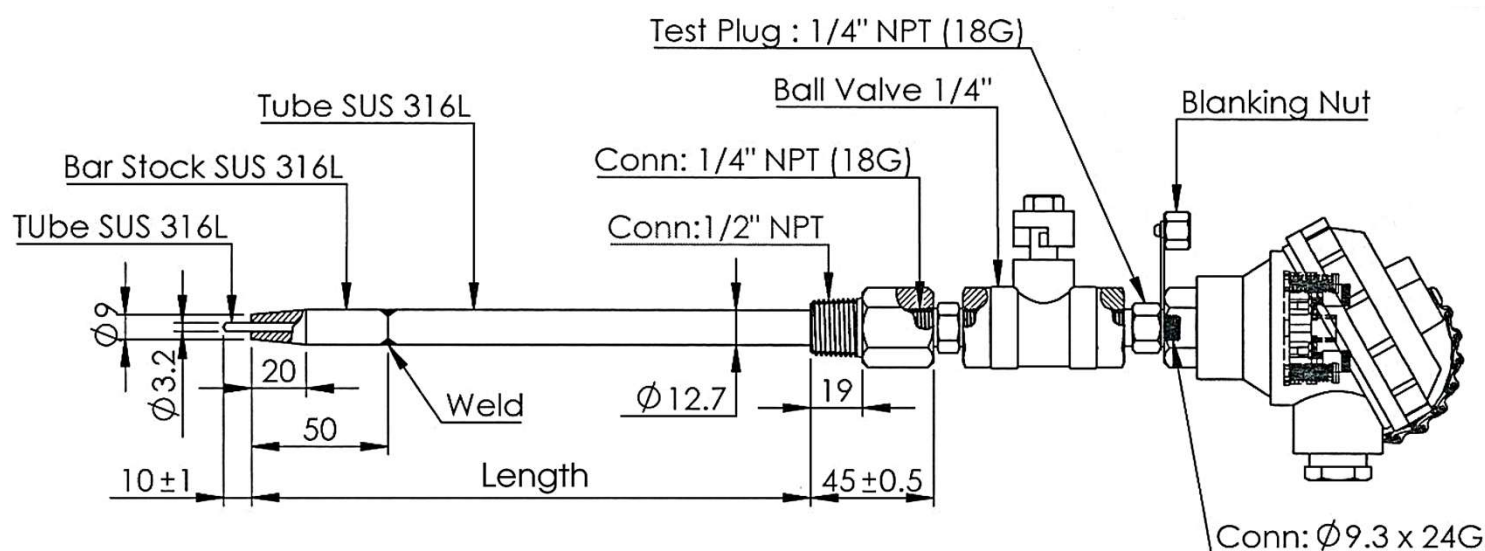
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## KWTE Series

### Temperature Sensor with Thermowell



### Temperature Sensor with Thermowell Open End



**Big Enclosure  
Aluminum**



**Big Enclosure  
Bakelite**



**Big Enclosure  
Stainless Steel 316L**

Length (mm.) ± 1 mm
2.5" (63.5)
4" (101.6)
6" (152.4)
8" (203.2)
10" (254)
12" (304.8)
14" (355.6)
16" (406.4)
18" (457.2)
24" (609.6)



**Small Enclosure  
Aluminum**



**Small Enclosure  
Bakelite**



**Small Enclosure  
Stainless Steel 316L**