

Temperature Sensor

Thermocouple

Thermocouples are used in industry for measuring the temperature of gases, liquids or solid surfaces etc., Its usually assembled with indicators, recorders or computers.

A thermocouple consists of two dissimilar metals joined together at one end. When the junction of the two metals be cooled or heated and a voltage is produced that can be correlated back to the temperature.

Hongtai company providing thermocouples are manufactured in different combinations of metals. The calibrations are K, N, E,J, T, S, R, B. Each calibration has a different temperature range.

Temp Range

	Type	Temp Range	Type	Temp Range
Thermpcouple	B: PtRh30-Pt6	0~1600 C	K: NiCr-NiSi	0~1300 C
	R: PtRh13-Pt	0~1600 C	E: NiCr-CuNi	0~600 C
	S: PtRh10-Pt	0~1600 C	J: Fe-CuNi	0~500 C
	N: NiCrSi-NiSi	0~1300 C	T: Cu-CuNi	0~350 C
Thermmal Resistor	PT10	-200~+650 C	PT100	-200~+650 C
	PT1000	-200~+650 C	CU50	-50~150 C



Surface Thermocouple

WRNM-01



WRNM-02



WRNM-101



WRNM-102



NR-81531A



Magnetic type



WRN-02B



WRN-02A



WRN-01B



Small Thermocouple/Resistor

TC



RTD



Name	Model	Type	SStructure feature
Compressed spring type thermocouple /thermal resistance	WRNT-01	K	Fixing thread: M12*1.5(default) M10*1.5 M8*1.5
	WRET-01	E	
	WRJT-01	J	
	WZPT-01	PT100	
	WZCT-01	CU50	
	WZPM-201	PT100	M8*0.75(default) M10*1

TC



RTD



Name	Model	Type	SStructure feature
Screw type thermocouple / thermal resistance	WRNT-02	K	Fixing thread: M6*1(default) M8*1.25 1/4"
	WRET-02	E	
	WRJT-02	J	
	WZPT-02	PT100	
	WZCT-02	CU50	

TC

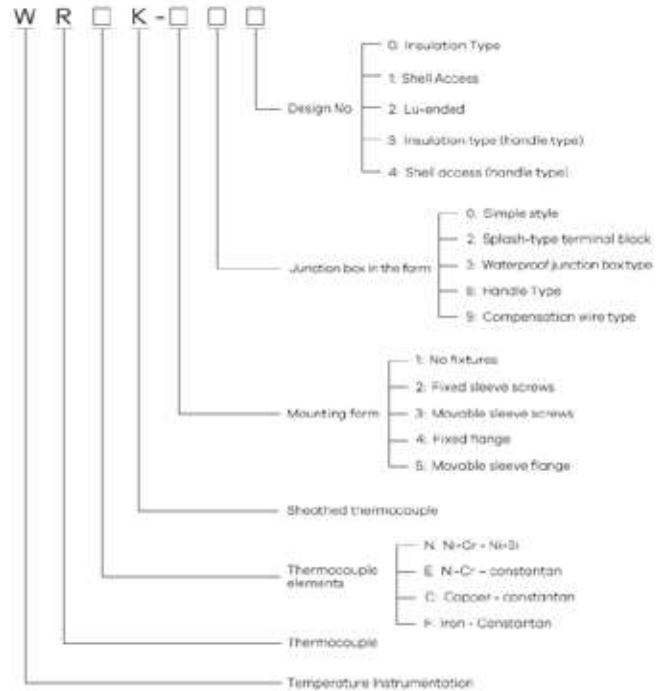
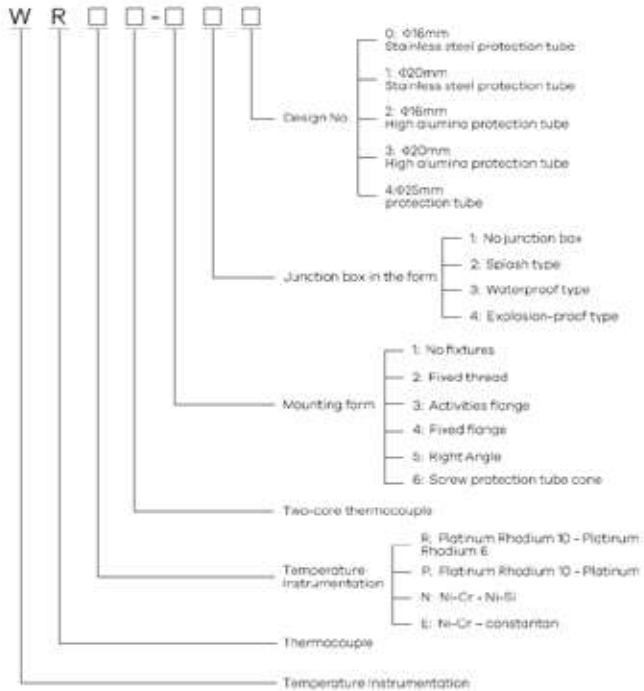


RTD



Name	Model	Type	SStructure feature
Proble type thermocouple / thermal resistance	WRNT-03	K	Fixing thread: M12*1 φ7 5/16" φ5(default)
	WRET-03	E	
	WRJT-03	J	
	WZPT-03	PT100	
	WZCT-03	CU50	

Metal Thermocouple/Resistor



Assembly Thermocouple/RTD

Sheathed Thermocouple/RTD



WZP-200



WZP-269



WZP-270

