Elevate Your Temperature Sensing with Thermocouples

R718C Series
Wireless Thermocouple / Temperature and Humidity Sensor

Thermocouple is a device that is widely used to detect the temperature at industrial market.

It works stably in high temperatures and provides accurate results.

Netvox has Type K, Type T, and Type N thermocouples to cater to different cases.

In addition to the thermocouple sensor (R718CX series), Netvox connects the temperature/humidity sensor and the thermocouple (R718CXAB) to detect environment temperature and humidity at the same time for a complete understanding of environmental conditions.

Application

For better food quality and taste, the thermocouple can be put in a fryer to detect oil temperature.

As the oil temperature climbs, the R718CXAB detects the kitchen's temperature and humidity, providing a safer working environment.

The R718CXAB can also monitor the contents' temperature in the machine and the factory's temperature/humidity to prevent overheat.

Features of Thermocouples

K Type K (nickel-chromium/nickel-silicon):

The Type K thermocouple has good linearity, larger thermal electromotive force, high sensitivity, and stability. It should not be used in sulfuric environments, reducing, oxidizing, and vacuum atmospheres, or weak oxidizing atmospheres.

T Type T (copper/copper-nickel):

The Type T thermocouple is more stable when detecting the temperature range of -40°C~0°C.

N Type N (nickel-chromium-silicon-nickel-silicon-magnesium)

The Type N thermocouple has good linearity, larger thermal electromotive force, high sensitivity, good stability, and uniformity. It has strong oxidation resistance and is not affected by short-range ordering.

	R718CKAB	R718CTAB	R718CNAB
Power	ER14505*2		
Thermocouple Range	-40°C to 375°C	-40°C to 125°C	-40°C to 800°C
Main body IP Rating	IP65		
Probe IP Rating	IP50	IP67	IP50
Probe Dimensions	Ø5mm*30mm	Ø5mm*30mm	Ø5mm*50mm
Thermocouple Type	Type K	Type T	Type N
Line Length	100cm		
Temperature Range	-20°C to 55°C		
Humidity Range	0% to 100%		

Model	R718CK R718CK2	R718CT R718CT2	R718CN R718CN2
Power	ER14505*2		
Thermocouple Range	-40°C to 375°C	-40°C to 125°C	-40°C to 800°C
Main body IP Rating	IP65		
Probe IP Rating	IP50	IP67	IP50
Probe Dimensions	Ø5mm*30mm	Ø5mm*30mm	Ø5mm*50mm
Thermocouple Type	Type K	Type T	Type N
Line Length	100cm		

R718CK	R718CT	R718CN
R718CK2	**R718CT2**	**R718CN2**

R718CKAB	R718CTAB	R718CNAB

* If you need needle type thermocouple probes, please contact our sales representatives.