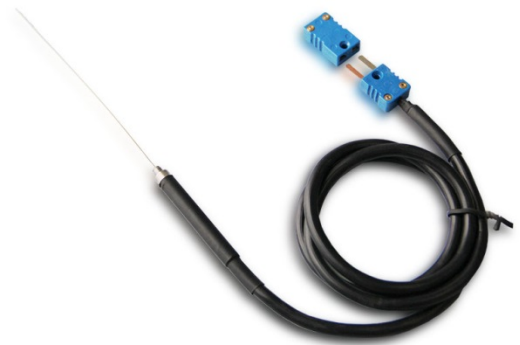


Thermocouples are a widely used type of temperature sensor for measurement and control and can also be used to convert a temperature gradient into electricity.

A thermocouple consists of two conductors of different materials (usually metal alloys) that produce a voltage in the vicinity of the point where the two conductors are in contact.

T thermocouple show the perfect properties at low temperature, suitable for -200 ~ 350°C temperature measurement



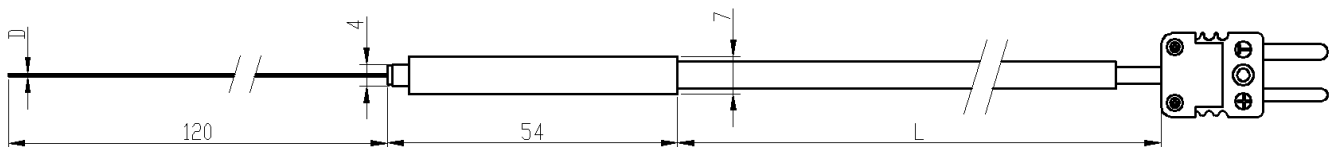
Applications

- Disinfection cabinet
- Cold storage
- Industrial equipment

Features

- With quick response, reducing dynamic error
- Optional installation methods
- Wide measuring range
- High mechanical strength, good pressure-resistant performance

Dimensions (mm)



Material	Polarity	Color
Cu – 100%	Positive	Red
Ni – 45%, Cu – 55%	negative	white

D	Recommend Operate Temp.(°C)	Short time Max Temperature(°C)
0.2, 0.3	150	200
0.5, 0.8	200	250
1.0, 1.2	250	300
1.6, 2.0	300	350

Ordering code

F W R C 2 - 1 3
 1 2 3 4 5 6 7

1. Focusens Products
2. W: Temperature Instrument
3. R: Thermocouple
4. Thermal element material

Code	Description
N	NiCr – CuSi
M	NiCrSi – NiSi
E	NiCr – CuNi
C	Cu – CuNi
F	Fe – CuNi

5. Filament

Code	Description
1	Simplex
2	Duplex

6. Mounting and Fixing

Code	Description
1	Without fixing device
2	Threaded connector
3	Movable flange
4	Fixed flange
5	Elbow tube connector
6	Threaded cone connection
7	Straight tube connection
8	Fixed threaded tube connection
9	Movable threaded tube connection

7. Junction Box

Code	Description
2	Anti-spray type
3	Water-proof type