



TEMPERATURE SENSOR Type K thermocouple (Some are UL certified.)

温度センサー

Temperature sensors for our digital temperature controller "MonoOne" series.
It is ready to use if your temperature controller supports thermocouple K and Pt100Ω.



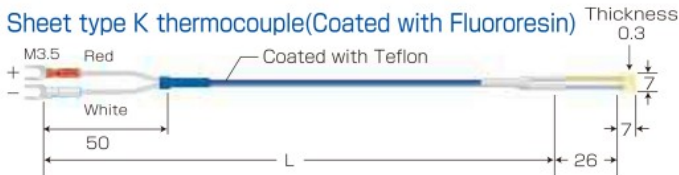
Type K thermocouple

RoHS Compliance

Sheet type K thermocouple

Selection Standard

This is formed of a thermocouple on an insulating sheet, and is suitable for measuring surface temperature.
It is a sheet-like thermocouple that is stuck on the surface of the object to measure surface temperature quickly and accurately.



Normal limit: 200°C Tolerance: Class 2 ($\pm 2.5\%$ or $\pm 0.75\%$)

Product code	L(m)
TH-8297-1	1.0
TH-8297-3	3.0
TH-8297-10	10.0

Normal Limit of temperature sensing section

Outer diameter of sheath ϕ (mm)	Normal Limit C° (SUS316)
1.0, 1.6, 2.3	650
2.3, 3.2	750

Sheath type K thermocouple

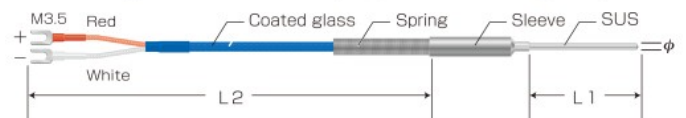
Selection Standard

This is a stainless steel sheath tube filled with inorganic insulator at high pressure through a thermocouple element, and is excellent in sensitivity, vibration resistance, and economical efficiency.

However, the durability of measurement in a high-temperature activated gas atmosphere may be extremely poor.

Please consult us in advance.

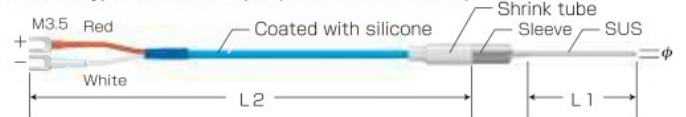
Sheath type K thermocouple (Coated with glass)



Maximum cladding material temperature: 250°C (Sleeve 80°C) Tolerance: Class 2

Product code	Φ (m)	L1 (m)	L2 (m)
TH-8159	3.2	100	1.5
TH-8159-1	3.2	100	3.0
TH-8159-2	3.2	100	5.0
TH-8185	3.2	300	3.0
TH-8182	3.2	500	3.0
TH-8192	3.2	50	3.0
TH-8163	1.6	100	3.0
TH-8163-1	1.6	100	1.5
TH-8196	1.0	100	3.0

Sheath type K thermocouple (Coated with silicone)



Maximum cladding material temperature: 180°C (Sleeve 80°C) Tolerance: Class 2

Product code	Φ (m)	L1 (m)	L2 (m)
TH-8173	2.3	100	2.0
TH-8174	3.2	100	2.0

Sheath type K thermocouple (Coated with Fluororesin)



Maximum cladding material temperature: 260°C (Epoxy resin 150°C) Tolerance: Class 1
Waterproof type

Product code	Φ (m)	L1 (m)	L2 (m)
TH-8100-2	3.2	100	2.0



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