

TC series Thermocouple probe



- Material of thermocouple
K type : Chromel (alloy of nickel and chromium) & Alumel (alloy of nickel)
- MAX. Temp. shown here is the temperature the thermocouple probe is guaranteed for while in ordinary use, not the breakdown temperature.
- Sheath type protection pipe has magnesium oxide isolation on the inside.
 - Pipe type is not isolated on the inside.
 - Sheath type is durable enough to be bended. However, please do not bend pipe type.

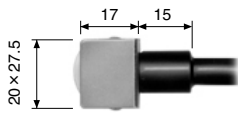
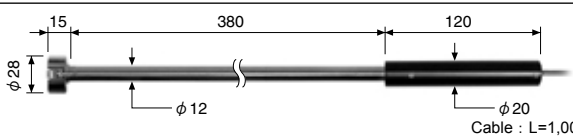
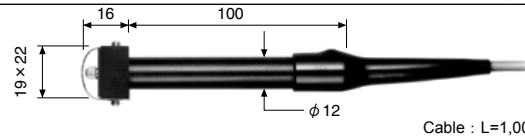
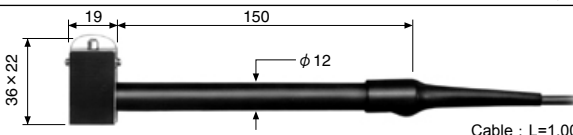
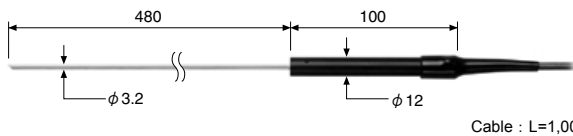
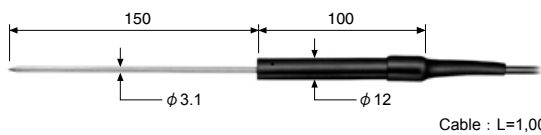
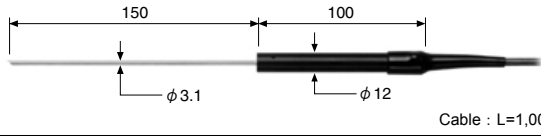
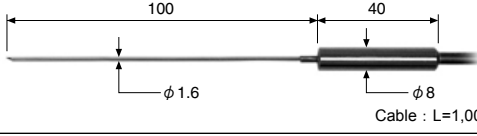
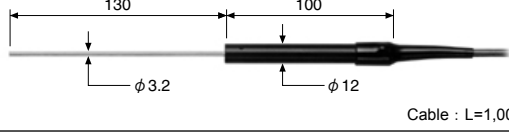
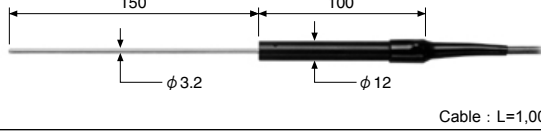
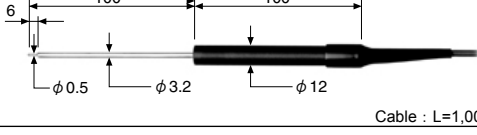
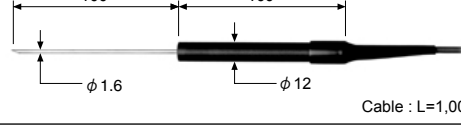
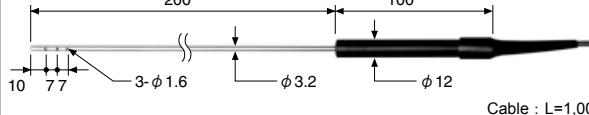
URL <http://www.lineseiki.com>

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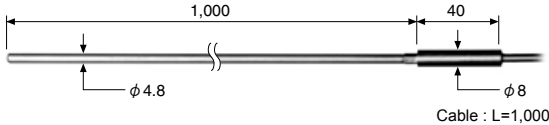
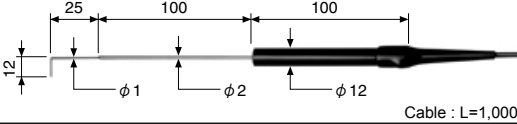
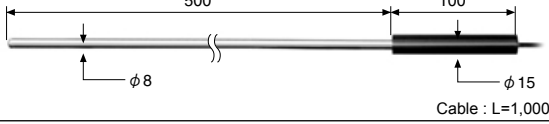
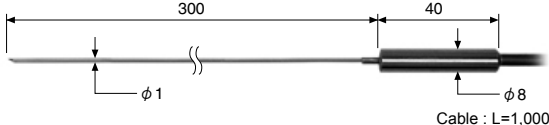
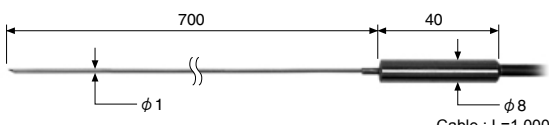
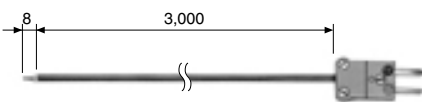
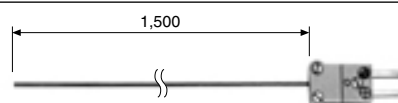
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Thermocouple probe

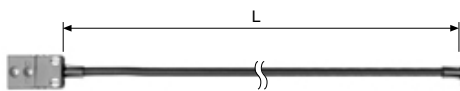
Model No.	Type	Max. Temp.	Dimensions	Applications
KF-01A	K	500°C	<p>Cable : L=1,000</p>	Surfaces
KF-02A	K	500°C	<p>Cable : L=1,000</p>	Surfaces / Hard-to-reach surfaces
KF-03A	K	500°C	<p>Cable : L=1,000</p>	Small surfaces
KF-04A	K	500°C	<p>Cable : L=1,000</p>	Small surfaces / Hard-to-reach surfaces
KF-05A	K	250°C	<p>Cable : L=1,000</p>	Small surfaces
KF-06A	K	250°C	<p>Cable : L=1,000</p>	Small surfaces / Hard-to-reach surfaces
KF-07A	K	400°C	<p>Cable : L=1,000</p>	Small surfaces
KF-08A	K	400°C	<p>Cable : L=1,000</p>	Small surfaces / Hard-to-reach surfaces
KF-09A	K	400°C	<p>Cable : L=1,000</p>	Small surfaces
KF-10A	K	400°C	<p>Cable : L=1,000</p>	Small surfaces / Hard-to-reach surfaces
KF-11A	K	250°C	<p>Cable : L=1,000</p>	Moving rollers (with diameter of 20 φ to flat), Convex surfaces
KF-12A	K	250°C	<p>Cable : L=1,000</p>	Moving rollers (with diameter of 100 φ to flat), Convex surfaces
KF-13A	K	400°C	<p>Cable : L=1,000</p>	Moving rollers (with diameter of 20 φ to flat), Convex surfaces
KF-14A	K	400°C	<p>Cable : L=1,000</p>	Moving rollers (with diameter of 100 φ to flat), Convex surfaces

Model No.	Type	Max. Temp.	Dimensions	Applications	
KF-15A	K	250°C		Surfaces (with magnet)	
KF-16A	K	1,100°C		Surfaces (with high temperature)	
KF-17A	K	250°C		Surfaces	Low-Cost Model
KF-18A	K	250°C		Surfaces / Hard-to-reach surfaces	Low-Cost Model
Model No.	Type	Max. Temp.	Dimensions	Applications	Type · Material of protection pipe
KB-20A	K	400°C		Liquids / Interiors of Semi-solids	Pipe type · SUS304
KS-21A	K	800°C		Liquids / Interiors of Semi-solids (with high temperature)	Sheath type · SUS316
KB-22A	K	300°C		Liquids / Interiors of Semi-solids	Pipe type · SUS304
KS-22A	K	650°C		Liquids / Interiors of Semi-solids	Sheath type · SUS316
KS-23A	K	800°C		Liquids (with high temperature)	Sheath type · SUS316
KB-24A	K	200°C		Liquids (Chemical resistance)	Pipe type · SUS304 with fluorocarbon polymers tube
KS-60A	K	400°C		Liquids / Small spot surfaces	Sheath type · SUS316
KB-66A	K	400°C		Liquids / Interiors of Semi-solids	Pipe type · SUS304
KB-75A	K	300°C		Gases	Pipe type · SUS304

Thermocouple probe

Model No.	Type	Max. Temp.	Dimensions	Applications	Type · Material of protection pipe
KS-80A	K	900°C		Liquids (Heavy-duty purposes)	Sheath type · SUS316
KB-81A	K	400°C		Liquids / Gases	Pipe type · SUS304
KS-82A	K	1,100°C		Liquids (with high temperature)	Sheath type · Inconel®
KS-96A	K	650°C		Liquids / Interiors of Semi-solids (Hard-to-reach measuring objects)	Sheath type · SUS316
KS-97A	K	650°C			
KW-6-0300TM	K	200°C		Liquids / Gases	Wire type with fluorocarbon polymers coating
KW-6-0150GM	K	250°C		Liquids / Interiors of Semi-solids	Wire type with Fiberglass coating

Extension cable

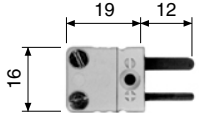
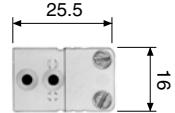
Model No.	Type	Dimensions	Cable Length	Cable Type
KC-6-0300PM	K		L=3,000	PVC φ 0.65

ORDERING INFORMATION FOR WIRE TYPE & EXTENSION CABLE

<p>Thermocouple type K type <input type="checkbox"/> : K</p> <p>Selection of type Wire type <input type="checkbox"/> : W Extension cable <input type="checkbox"/> : C</p> <p>Sheath Dia. φ 0.2 □ φ 0.32 □ : 3 φ 0.65 □ : 6 □ φ 1.0 □ : 0</p> <p>Length L = □ □ □ cm (1cm~1,000cm)</p>	<p>Termination Miniature connector <input type="checkbox"/> : M * Stripped ends <input type="checkbox"/> : 0 Spade Lugs (M3) <input type="checkbox"/> : 3 Spade Lugs (M4) <input type="checkbox"/> : 4 Spade Lugs (M5) <input type="checkbox"/> : 5</p> <p>Insulation PVC <input type="checkbox"/> : P (90°C) Silicon-rubber <input type="checkbox"/> : S (180°C) fluorocarbon polymers <input type="checkbox"/> : T (200°C) Fiberglass <input type="checkbox"/> : G (250°C) Glass+Stainless Shield <input type="checkbox"/> : N (250°C)</p>
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* Standard type

Miniature connector

Model No.	Type	Dimensions	Type	Model No.	Type	Dimensions	Type
KM-62A	K		Plug	KM-63A	K		Jack

* SUS304 & SUS316 are stainless steel.

* Inconel is nickel based alloys. INCONEL is a registered trademark of Special Metals Corporation.

* Probes for moving rollers are without wheels.

This catalog was last revised as of July 6, 2011. *Specifications Subject to Change Without Notice.

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