

INDUSTRIAL PRODUCT DATASHEET

Thermocouple Temperature Sensor K Type-1M

Type K thermocouple sensor with -50°C to +600°C range for high-temperature applications in medical, industrial, and HVAC fields.

SKU	UPDATED	PRICE
314010199	2026-08-01 11:23:11	\$6.90(Excl. VAT)



Overview



The Thermocouple Temperature Sensor K Type-1M is a type K thermocouple with Chromel (+) and Alumel (-) conductors, measuring temperatures from -50°C to $+600^{\circ}\text{C}$. It features high measurement range and easy use, suitable for medical, appliance, industrial, and HVAC applications.

Key Features

A thermocouple is an electrical device consisting of two dissimilar electrical conductors forming electrical junctions at differing temperatures. A thermocouple produces a temperature-dependent voltage as a result of the thermoelectric effect, and this voltage can be interpreted to measure temperature.

The thermocouples have a much larger measurement range than thermistors, this one on our website has a measurement range of -50°C to +600°C. And there are several types of thermocouple, this is a type K, which means Chromel for “+”, and Alumel for “-”.

This thermocouple works great with our [Grove - High Temperature Sensor](#).

Features

- High measurement range
- Easy to use

Typical Applications

- Medical
- Appliances
- Industrial
- HVAC(Heating, Ventilation and Air Conditioning)

Assembling Drawing

Part List

Thermocouple Temperature Sensor K Type-1M	1
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Compliance & Logistics



HSCODE	9025900090
USHSCODE	9025900600
EUHSCODE	9013101000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/Thermocouple-Temperature-Sensor-K-Type-1M-p-3132.html>

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