Part Number: K1X-S304-062-UX-2-MPCX

Product Description: Type K Thermocouple Probe 2 Inch Long 1/16" Diameter Stainless Steel Sheath with an Ungrounded Junction and Miniature Male Flat Pin Thermocouple Connector

Type K Thermocouple Probe 2 Inch Long 1/16" Diameter Stainless Steel MI Cable with Miniature Connector

1690°F (920°C) Upper Limit

Ungrounded

Ungrounded (Isolated) Junction Minimizes Electrical Noise Signal Interference

evolution Sensors and Controls, llc.

2" Inches

.062" (1/16") Diameter

Bendable Probe Design

Miniature Male Connector rated to 400°F (200°C)

K Type Thermocouples are one of most utilized temperature sensor technologies across the world due to a wide temperature range, ease of use and cost value. Type K temperature sensors are utilized in very diverse applications from harsh industrial and machinery environments to precise research and laboratory applications to general temperature measurement including everyday consumer use.

- **Temperature Range** of **-326 to 2300°F (-200 to 1260°C)**
  - Below 32°F (0°C) a special matching of the positive Nickel Chrome KP and negative Nickel Aluminum KN thermocouple alloys is typically required to provide acceptable accuracy.
  - Maximum continuous temperature is about 2,000°F (1,100°C) although can function at higher temperatures with special sheathing, high purity insulation and precise manufacturing methods.
  - Type K should not be used in reducing atmospheres unless protected by an appropriate protective sheath.

Thermocouple Type	K Calibration (+ Nickel Chrome – Nickel Aluminum)
Thermocouple Accuracy	ANSI/ASTM E230 and IEC 60584 (±2.2C or 0.75%) whichever is greater
Thermocouple Junction	Ungrounded (Isolated from the probe sheath)
Probe Diameter	1/16" (.062" or 1.57 mm)
Probe Sheath Material	316 Stainless Steel Bendable MI Cable Design (Highly Compacted MgO insulating the .012" Diameter Wires Encased in inside the .008" Metal Sheath Wall
Probe Temperature Range	32 to 1690°F (0 to 920°C)
Crimp Fitting to Connector	Nickel Plated Brass with.094" Diameter and .295" Length extends beyond the Connector
Instrument Connection	Miniature Male Flat Pin Connector – Plastic body range -40 to 400°F (-40 to 200°C) – Capable of accurately transferring the full range of Type K Thermocouples
Color Coding	ANSI (Yellow Connector)
RoHS and Reach Status	Compliant