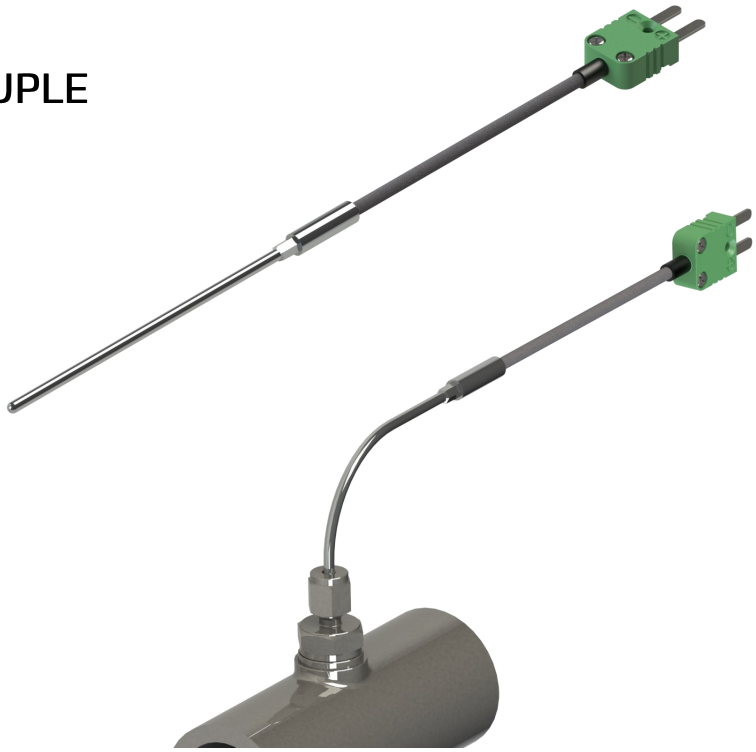
ka sensors
SENSE | ANALYSE | CONTROL

KTC Series Thermocouple



The KTC Series Thermocouple is designed to withstand the harsh environments of motorsport and automotive testing applications. By using a proven technology, the KTC offers high performance and reliability at even under extreme temperature and vibration.

The KTC Series of 'K' Type mineral insulated thermocouples use high temperatures, 310 Grade Stainless Steel or Inconel 600 in a selection of available sizes to suit different applications for measuring temperature up to 1100°C (degrees Celsius).

The flexible sheath is available in diameters of 1 to 6mm and can be simply bent allowing fitment in varied installations.

Technical Specifications

Sensor Types	'K' Insulated Junctions Simplex or Duplex
Sheath Diameter	1 to 6mm
Measurement Range	-100°C to +1100°C
Cable Operating Temperature	-75°C to +250°C
Construction	Inconel 600 or Stainless Steel 310
Electrical Connection	100cm Flat Pair PTFE or Glass Fibre Metal Braid Sleeve
Options	Cable Length, Compression Fitting, Connector Fitted, Labelling and Stainless Steel Braided Cable

KA Sensors adopts a continuous development program which sometimes necessitates specification changes without notice.

Sensors For Motorsport

Features

- -100°C to 1100°C
- 1—6mm Diameter
- Standard Type 'K' Isolated Junction
- MI Flexible St Stl or Inconel Sheath
- Single or Duplex

Applications

- Exhaust Gas
- Coolant
- Surface Temp
- Thermal Profiles
- Oil
- Air

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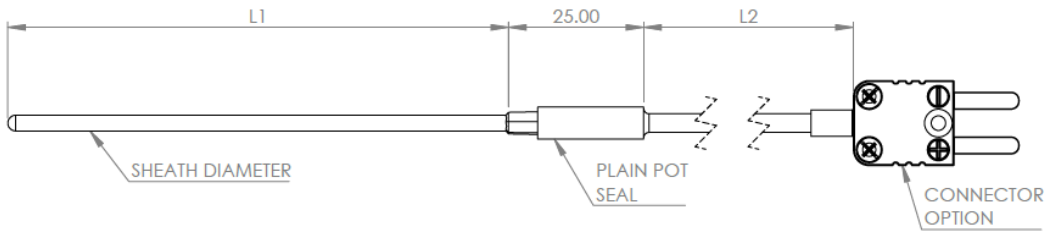
Part Number Configurator

KTC - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

Sheath Diameter (mm)	1 1.5 3 4.5 6	010 015 030 045 060						
Sheath Length (mm) L1	50 75 100 150 200 250 300	050 075 100 150 200 250 300						
Sheath Material	Inconel Stainless Steel		IN ST					
Cable Length (cm) L2	100			100				
Cable Material	PTFE Glass Fibre Metal Braid GFMB + DR25 Braid				B C DR25			
Connector Fitted	No Yes					0 C		
Connector Type	Type 'K' Thermocouple						K	
Special Code	None							000

The KA configuration tool is used to specify a standard KA Sensor, other options are available.

Mechanical Details



Connection Details

Output	Output
Green	White

Sense
Analyse
Control

Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

Contact us

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