

## FEATURES

- Rapid, reliable temperature sensing on ferrous surfaces
- 1" diameter (3kg pull)
- The International Electrotechnical Commission (IEC) is an international standards organisation that prepares and publishes international standards.

## IEC Magnet Thermocouple with Standard Thermocouple Type K Plug 1m

RS Stock No.: 2522418



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

- Strong magnet housing type K thermocouple
- stainless steel over-braided PFA Teflon® cable fitted with standard plug
- Temperature rating -50°C to +250°C
- Rapid, reliable temperature sensing on ferrous surfaces
- Grounded measuring junction

## General Specifications

<b>Thermocouple Type</b>	Type K
<b>Temperature Measurement Range</b>	-50°C to + 250°C
<b>Construction</b>	Thermo-element located in 1" diameter magnet
<b>Measuring Junction</b>	Grounded at tip
<b>Standards Met</b>	IEC
<b>Application</b>	Ideal for ferrous metal surface measurement

## Mechanical Specifications

<b>Maximum Pull</b>	3.4kg
<b>Termination Type</b>	Standard Plug
<b>Compensating Cable Length</b>	1m
<b>Cable Insulation</b>	stainless steel over-braided PFA cable

## Approvals

<b>Compliance/Certifications</b>	RoHS Compliant
----------------------------------	----------------

## Similar Products Range

	1m	2m
<b>Miniature Plug</b>	131-4735	762-1115
<b>Standard Plug</b>	252-2418	252-2419

RS Components is a leading provider for Automation and Control Gear, below is a selection of best selling products:

rspro.com



Temperature.  
It matters



**Exposed Junction Thermocouples**

Including exposed junctions with fitted or moulded miniature plug and insulated leads, ideal for test and development applications. 1, 2, 3, 5 & 10m lengths available in IEC or ANSI colours.



**Thermocouple & PRT Cable**

Thermocouple cables are available in IEC or ANSI colour codes. Insulation types include PFA, PTFE, PVC & Fibreglass. Available spool lengths include 10, 25, 50, 100 and 200m.

## Best Sellers



**ANSI Type K Exposed Junction**  
RS 814-0134  
Allied 70656459



**ANSI Type K High Temp Exposed Junction**  
RS 131-4749  
Allied 71080908



**IEC Type K Exposed Junction**  
RS 363-0250  
Allied 70643600



**IEC PVC Insulated Flat Pair**  
RS 219-4573  
Allied 70641630



**ANSI PFA Insulated Twin Twisted**  
RS 814-0030  
Allied 70656106



**IEC Glassfibre Insulated Flat Pair**  
RS 236-3836  
Allied 70641730

## Best Sellers

## Calibration

Whether it's existing equipment or a new purchase, you need to have confidence in the accuracy of your measurements.

That's where our calibration service can help.

Purchase new products with confidence.

A certificated calibrated sensor straight out of the box, ready to use.



**RTD Detectors**

Wire-wound type provides greater accuracy and stability but are vulnerable to shock.

Flat film type are resistant to shock and have quicker thermal response times.

Various lengths and diameters available, in class A, B and 1/10th Din.

## Best Sellers



**ANSI SYSCAL Type K Mineral Insulated Thermocouple**  
RS 181-7296



**IEC SYSCAL Type K Mineral Insulated Thermocouple**  
RS 181-7288



**IEC SYSCAL Type J Mineral Insulated Thermocouple**  
RS 181-7305

## Best Sellers



**PT1000 Thin Film Detector**  
RS 362-9907  
Allied 70643582



**PT100 Wire Wound Detector**  
RS 611-7839  
Allied 70646151



**PT100 Wire Wound Detector**  
RS 362-9799  
Allied 70643577



**Fabricated and Specialist Thermocouples**

Styles include; Magnet, Washer, Nozzle, Leaf, Bayonet & Bolt thermocouple. Various lengths and calibration types available.

## Best Sellers



**Magnet Thermocouple**  
RS 762-1115  
Allied 70651739



**Heavy Duty Thermocouple**  
RS 762-1128  
Allied 70651743



**Rubber Patch Thermocouple**  
RS 290-5036  
Allied 70642886



**Thermocouple Connectors**

Range of miniature or standard thermocouple connectors. Available in thermocouple types K, J, T, E, N, RS, B, and copper. IEC, ANSI & JIS colour codes available.

## Best Sellers



**IEC Thermocouple Plug**  
RS 455-9764  
Allied 70644391



**ANSI Thermocouple Socket**  
RS 769-1127  
Allied 70652125



**IEC Thermocouple PCB Socket**  
RS 381-7570  
Allied 70643749

RS Components is a leading provider for Automation and Control Gear, below is a selection of best selling products:



### Mineral Insulated Thermocouples

Available in various calibration types with a variety of terminations. These include; Thermocouple plugs, Terminal heads and Thermocouple cable



### Sensors with Industrial Terminal Heads

Industrial sensors housed in a stainless steel sheath and terminal head protection to IP67. Available as a thermocouple or Pt100.



### L60 Fine Wire Thermocouple Welder

The Thermocouple Welder is a compact, simple-to-use instrument designed for thermocouple and fine wire welding. Supplied with foot switch, spare electrodes, pliers & safety glasses, impact clip and pen plate.

### Best Sellers



**IEC Thermocouple with PTFE Cable**  
RS 397-1236  
Allied 70643843



**IEC Thermocouple with Mini Plug**  
RS 397-1488  
Allied 70643863



**ANSI Thermocouple with PFA Cable**  
RS 847-1019  
Allied 70658112

### Best Sellers



**Type K 300mm Long**  
RS 787-7829  
Allied 70653306



**Type K 200mm Long**  
RS 787-7816  
Allied 70653303



**Type K 100mm Long**  
RS 787-7804  
Allied 70653235

### Best Sellers



**L60 Fine Wire Thermocouple Welder**  
RS 343-0351  
Allied 70825788



### NEW PRODUCTS



**Brake Pad Temp Sensor**  
RS 200-0601  
Allied 72173869



**RTD Temp Sensor Hirschmann Style**  
RS 200-0594  
Allied 72173862



**Washer Thermocouple**  
RS 200-0616  
Allied 72173882

### NEW PRODUCTS

RS PRO, the own brand of RS Components, offers an unbeatable range of products across all industries with quality you can trust.

New products are constantly added to improve the offering of our product range.

[www.rspro.com](http://www.rspro.com)



[www.alliedelec.com](http://www.alliedelec.com)