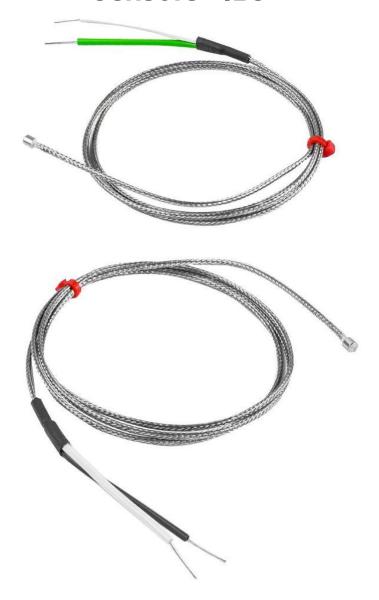


Thermocouple Brake Pad Temperature Sensors - IEC



Labfacility are the UK's leading manufacturer of Temperature Sensors, Thermocouple Connectors and associated Temperature Instrumentation and stockists of Thermocouple Cables. The Company has been trading since 1971 and is ISO 9001 accredited.

Labfacility have supplied Farnell for over 30 years, and an extensive range of our products are available to buy online, from stock, direct from Farnell.

Datasheet



These thermocouple sensors are to be used to monitor the temperature of brake pads up to +400°C. They are designed to be embedded into the pads.

Each sensor has 1m of fibre glass insulated cable, with stainless steel Overbraid. Available in thermocouple type K or J and with a choice of tip diameters. Each tip is sealed with a high temperature ceramic paste (Fortafix) which can withstand temperatures up to +400°C.

Specifications

General Description	Designed for monitoring the temperature of brake pads			
Sensor Type	Grounded Junction			
Thermocouple Type	KorJ			
Probe Diameter	3.2mm, 4.0mm or 6.0mm			
Probe Length	Tip Length: 4mm			
Cable Length	1m			
Cable Type	Fibre glass with stainless steel Overbraid 7/0.2mm			
Termination Type	Bare tails			
Max. Temperature	+400°C			
Standards Met	IEC			
Potting sealant	Ceramic paste (Fortafix)			

Ordering Information

Туре	Cable Length	Probe Diameter	Termination	Manufacturers Code	Farnell Order Code
J	1m	3.2mm	Bare Tails	Brake Pad T/C Type J 3.2mm dia IEC	3514853
J	1m	4mm	Bare Tails	Brake Pad T/C Type J 4mm dia IEC	3514852
J	1m	6mm	Bare Tails	Brake Pad T/C Type J 6mm dia IEC	3514851
K	1m	3.2mm	Bare Tails	Brake Pad T/C Type K 3.2mm dia IEC	3514850
K	1m	4mm	Bare Tails	Brake Pad T/C Type K 4mm dia IEC	3514849
K	1m	6mm	Bare Tails	Brake Pad T/C Type K 6mm dia IEC	3514848

TC-8 Nov-23



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 PTFE Insulated Twin Twisted Farnell 2443696 Newark 73AC8304

ANSI PFA Insulated Twin Twisted Farnell 2443711 Newark 73AC8297

Fabricated and Specialist Thermocouples

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

Best Sellers



Washer Thermocouple Farnell 8597952 Newark 38K1555

Bayonet Thermocouple Farnell 2785115 Newark 37AC0993

> Magnet Thermocouple Farnell 2081298 Newark 88T2877



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.

Best Sellers





IEC Type K Exposed Junction Farnell 4100748



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.







IEC Thermocouple Plug

Farnell 7086362 **Newark 67C1559**





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



PT1000 Thin Film Detector Farnell 8598550 Newark 38K0883

Newark 15J1022

PT100 Wire **Wound Detector**

Farnell 2770776 Newark 25AC2608

PT100 Class A Thin Film Detector Farnell 8598525 Mineral Insulated Thermocouples

Available in various calibration types with a variety of terminations.

These include; Thermocouple plugs, Terminal heads and Thermocouple cable.





ANSI Thermocouple Farnell 2420317 Newark 53X3217

IEC Thermocouple with Mini Plug Farnell 4248338

Newark 19J1166

IEC Melt Bolt Thermocouple Farnell 2816490 Newark 44AC8638



Best Sellers



Pt100 Heavy Duty Sensor Probe Farnell 8598096 Newark 38K0974



Pt100 Sensor in Stainless Steel Tube with Teflon Lead Farnell 2420300 Newark 53X3459

Pt100 Outdoor/ Cold Store Temperature

Sensor Farnell 2816462 Newark 44AC8648

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







L60+ Thermocouple & Fine Wire Welder and accessories Farnell 2897470 Newark 62AC8741

To suit a wide range of applications and styles, available in class A or B.

Resistance Thermometer

Detectors (RTD) / Platinum

Resistance Thermometers (PRT)

TC-8 Nov-23