

Thermocouple Brake Pad Temperature Sensors - ANSI



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 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 | К | | | |
| 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 | ANSI MC96.1 | | | |
| Colour | Positive: Red / Negative: Yellow | | | |
| Potting sealant | Ceramic paste (Fortafix) | | | |

Ordering Information

| Туре | Cable Length | Probe Diameter | Termination | Manufacturers Code | Farnell Order Code |
|------|-----------------|-------------------|-------------|--------------------------------|--------------------------|
| K | 1m | | | Brake Pad T/C Type K 3.2mm dia | 4155972 |
| | | 3.2mm | Bare Tails | ANSI | |
| K | 1m | | | Brake Pad T/C Type K 4mm dia | 4155973 |
| | | 4mm | Bare Tails | ANSI | |
| K | 1m | | | Brake Pad T/C Type K 6mm dia | 4155974 |
| | | 6mm | Bare Tails | ANSI | |

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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.

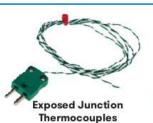
Best Sellers



Washer Thermocouple Farnell 8597952 Newark 38K1555



Magnet Thermocouple Farnell 2081298 Newark 88T2877



Including exposed junctions with fitted or moulded miniature plug and insulated leads, ideal for test and development applications.

 2, 3, 5 & 10m lengths available in IEC or ANSI colours.

Best Sellers





IEC Type K Exposed Junction Farnell 4100748 Newark 15J1022



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



Farnell 8598550 Newark 38K0883

PT100 Wire Wound Detector

Farnell 2770776 Newark 25AC2608

PT100 Class A Thin Film Detector Farnell 8598525 Newark 38K0885



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





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

Resistance Thermometer

Detectors (RTD) / Platinum Resistance Thermometers (PRT)

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