

## TE Embedded Brake Pad Thermocouple Sensor

Designed for embedding into a brake pad to monitor the pad temperature. Supplied with a fibreglass insulated, stainless steel wire over-braided stranded extension cable, attached to the stainless steel tip using a high temperature, ceramic-based sealant. The sensing junction is grounded for fast response.

4.0mm tip length as standard, with 6.0mm, 4.0mm or 3.2mm diameter tip options. Standard cable length is 1 metre, but can be supplied in custom lengths to suit your application. Suitable for use up to +400°C.

- Designed for monitoring brake pad temperatures up to +400°C
- Thermocouple Types K, J, T, N
- 4.0mm tip length
- 6.0mm, 4.0mm or 3.2mm tip diameter



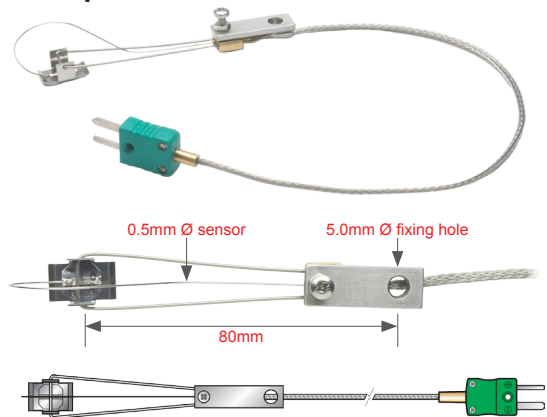
1	Sensor Type		Code
	Embedded Brake Pad Thermocouple Sensor		TE
2	Conductor/Thermocouple Type (IEC 60584.2)	Conductor Temperature Range	Code
	<b>K</b> Nickel Chromium vs. Nickel Aluminium	0°C to +1100°C	K
	<b>J</b> Iron vs. Constantan	-50°C to +750°C	J
	<b>T</b> Copper vs. Constantan	-200°C to +350°C	T
	<b>N</b> Nicrosil vs. Nisil	0°C to +1200°C	N
3	Tip Diameter		Code
	6.0mm		6.0
	4.0mm		4.0
	3.2mm		3.2
4	Cable Length (mm)		Code
	As required to suit your application		e.g. 2000mm

Order Code (example) **TE - K - 4.0 - 2000mm**

## TK-KI Type K Brake Disc Rubbing Style Thermocouple Sensor

Normally used by the automotive industry to monitor brake disc temperatures. The design incorporates a fully floating shoe onto which a miniature mineral insulated thermocouple is mounted. The stainless steel bracket has a 5.0mm diameter hole, used for fixing the sensor into position. The spring pressure setting can be adjusted by means of a screw and locknut. The stainless steel wire braided cable length is approximately 300mm and the sensors are supplied with a miniature thermocouple plug that is rated to +200°C. Suitable for use up to +800°C.

- Normally used to monitor brake disc temperatures
- Spring pressure adjustment by screw/locknut
- Supplied with miniature mineral insulated thermocouple
- Suitable for use up to +800°C



Order Code **TK-KI**

## TI Ceramic Beaded Welded Tip Thermocouple Sensor

An exposed welded tip junction, insulated with ceramic twin or four-bore insulators

Commonly used as replacement inserts for the **TCR** Ceramic Sheathed (page 20) and **THD** Metal Sheathed Heavy Duty (page 21) thermocouple sensor assemblies.

- Commonly used as replacement inserts for **TCR** and **THD** sensors
- Thermocouple Types K, N, R, S, B
- Custom lengths available

Contact sales for further information

