

## TE Embedded Brake Pad Thermocouple Sensor

Designed for embedding into a brake pad to monitor the pad temperature. Commonly used for UNECE GTR Brake Emissions testing. Supplied with a fibreglass insulated extension cable, also available with stainless steel wire over-braided cable, attached to a Copper Alloy (Phosphor Bronze) or 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

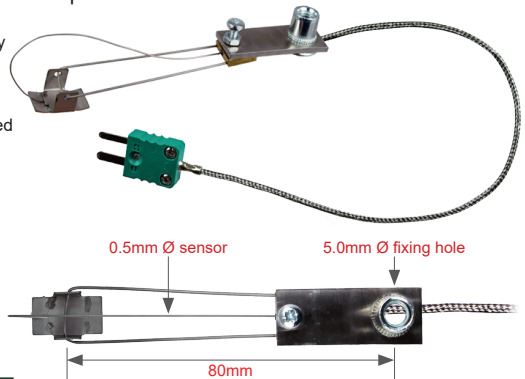
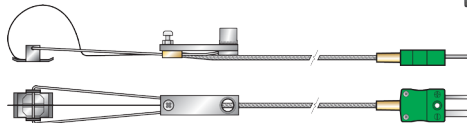


1	sensor type		code
	Embedded Brake Pad Thermocouple Sensor		TE
2	conductor/thermocouple type (IEC 60584.1)	conductor temperature range	code
	Type K Nickel Chromium vs. Nickel Aluminium	0°C to +1100°C	K
	Type J Iron vs. Constantan	-50°C to +750°C	J
	Type T Copper vs. Constantan	-200°C to +350°C	T
	Type N Nicrosil vs. Nisil	0°C to +1200°C	N
3	tip material	code	4
	Copper Alloy (Phosphor Bronze)	PB	tip diameter
	Stainless Steel	SS	6.0mm
			4.0mm
			3.2mm
5	cable length (mm)	code	6
	As required to suit your application	e.g. 2000mm	extension cable
			Fibreglass Insulated, solid 1/0.315mm dia. (No SSB)
			Fibreglass Insulated, stranded 7/0.2mm dia. (No SSB)
			Fibreglass Insulated, stranded 7/0.2mm dia. with SSB
			1 2 3 4 5 6
			order code (example) TE - K - PB - 32 - 2000mm - CG12

## TK-KP 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 -50...+220°C. The sensing junction is insulated as standard. 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-KP
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## 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

