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 +400ºC.

- 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
	Copper Alloy (Phosphor Bronze)	PB
	Stainless Steel	SS

4	tip diameter	code
	6.0mm	60
	4.0mm	40
	3.2mm	32

5	cable length (mm)	code
	As required to suit your application	e.g. 2000mm

6	extension cable	code
	Fibreglass Insulated, solid 1/0.315mm dia. (No SSB)	CG12
	Fibreglass Insulated, stranded 7/0.2mm dia. (No SSB)	CG32
	Fibreglass Insulated, stranded 7/0.2mm dia. with SSB	CG39

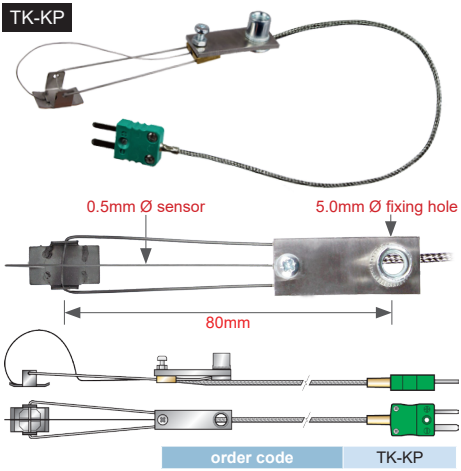
order code (example)	1		2		3		4		5		6
	TE	-	K	-	PB	-	32	-	2000mm	-	CG12

TK-K 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. The sensing junction is insulated as standard. Suitable for use up to +800°C.

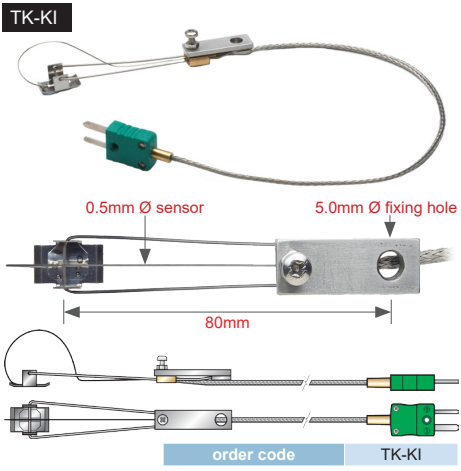
- 2 styles available
- Normally used to monitor brake disc temperatures
- Spring pressure adjustment by screw/locknut
- Supplied with miniature mineral insulated thermocouple
- Suitable for use up to +800°C

TK-KP



order code	TK-KP

TK-KI



order code	TK-KI