

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

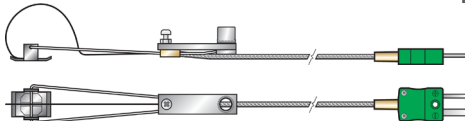
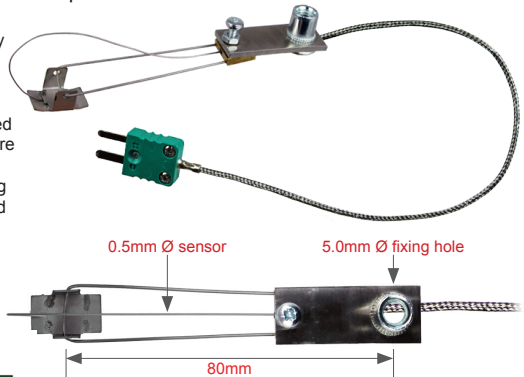


| | | | |
|----------------------|--|-----------------------------|--------------------|
| 1 | sensor type | | code |
| | Embedded Brake Pad Thermocouple Sensor | | TE |
| 2 | conductor/thermocouple type (IEC 60584.1) | conductor temperature range | code |
| | Type K Nickel Chromium vs. Nickel Aluminium | 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 diameter | | code |
| | 6.0mm | | 60 |
| | 4.0mm | | 40 |
| | 3.2mm | | 32 |
| 4 | cable length (mm) | | code |
| | As required to suit your application | | e.g. 2000 |
| order code (example) | | | 1 2 3 4 |
| | | | TE - K - 40 - 2000 |

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 on 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.

- 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 |
|------------|-------|

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

