

Fabricated Sheathed Thermocouple Sensor With Crimp Seal & Lead

Product Code **TGPCS**

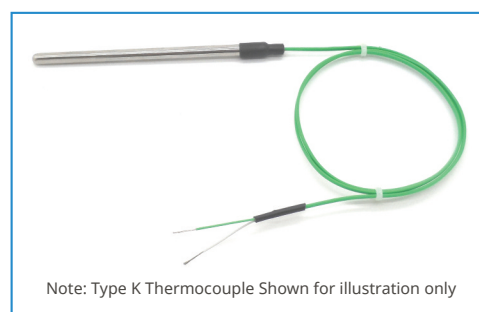
General Purpose Thermocouple

General Purpose Fabricated Thermocouple Sensors With Crimp Seal and Lead available in Types K, J, T, and N.

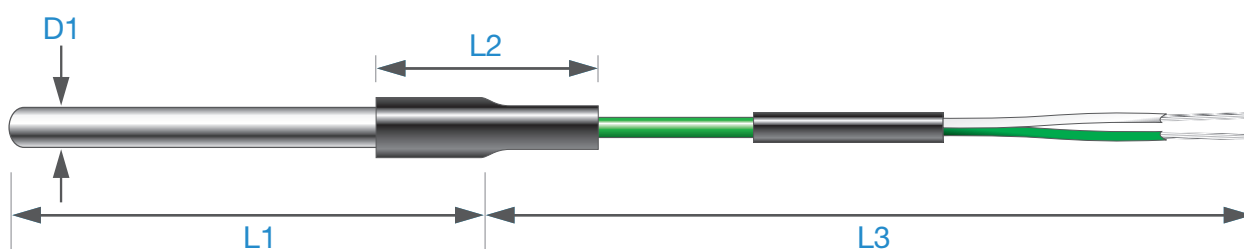
Material sheath 316 stainless steel probe with crimp end seal and fitted with PVC heat shrink for sealing and strain relief. Various cable options are available and the operating temperature of the probe is determined by the temperature rating of the extension cable insulation. All leads are typically of 7/0.2mm conductor strands however other alternatives are available.

A range of accessories including extension cables, connectors, pockets, thermowells and adjustable compression fittings are available for this product.

- Accuracy to IEC 60584.1 2013 Class 2 (Class 1 also available) • IEC 60584.3 2008 colour coded extension cables and connectors
- In House Calibration Service is also available • Bespoke designs available upon request • Stocked versions available to order



Sensor Specifications



| Sensor Style | Fabricated Thermocouple Sensor with Crimp Seal and Heat shrink Strain Relief |
|-----------------------------------|--|
| Conductor/Thermocouple Type | Type K, Type J, Type T, Copper, Type N, |
| Maximum Temperature Of Probe | Determined by extension cable selected |
| Metal Sheath Material | 316 Stainless Steel |
| Probe Diameter (D1) | 3.0mm, 4.0mm, 4.5mm 6.0mm & 8.0mm Ø |
| Sensing Junction | Insulated (isolated), or Grounded (Non-Isolated) Simplex |
| Probe Length (L1) | As required in millimetres |
| Heat Shrink Strain Relief (L2) | PVC 20mm (+110°C) |
| Extension Cable Length (L3) | As required in metres |
| Extension Cable Insulation | PVC, 7/0.2mm Ø (-10°C to +105°C) (6.0mm and 8.0mm probe diameters only) |
| | PFA, 7/0.2mm Ø (-75°C to +260°C) |
| | Glassfibre, 7/0.2mm Ø (-60°C to +400°C) |
| | Glassfibre c/w (St/Steel Over braid), 7/0.2mm Ø (-60°C to +400°C) |
| | PFA/PTFE/Silicone Rubber, 7/0.2mm Ø (-60°C to +200°C) |
| Termination | Tails, Spade Terminals, Miniature, Standard Plug Or Socket, Connector Block |
| Installation Compression Fittings | Brass or Stainless Steel In Tapered and Parallel |
| | • 1/8" BSPT, 1/8" BSP • 1/4" BSPT, 1/4" BSP • 1/2" BSPT, 1/2" BSP |