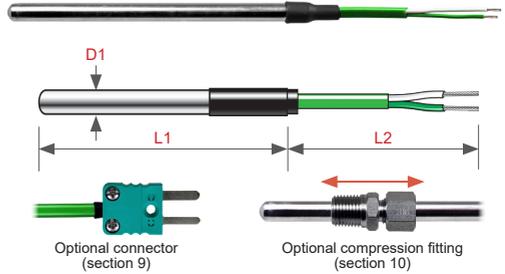


## TPC Fabricated Thermocouple Sensor with Crimp Seal Supplied with Heatshrink Strain Relief

Low-cost, fabricated thermocouple sensors available as standard with a 3.0mm, 4.0mm, 4.5mm, 6.0mm or 8.0mm diameter probe. The 316 stainless steel rigid probe has a plain crimped end seal with a PVC heatshrink seal which also acts as a cable strain relief. The temperature rating of the sensor is governed by the temperature rating of the extension cable. For example, a sensor with PVC cable is suitable for use up to +105°C; a sensor with fibreglass cable is suitable for use up to +400°C.

- 3.0 mm, 4.0mm, 4.5mm, 6.0mm or 8.0mm Ø probe
- Accuracy to IEC 60584.2 Class 2 (Class 1 also available)
- IEC 60584.3 colour coded extension cables and connectors
- Ex-stock options available
- In-house calibration service also available



Note: Type K thermocouple shown for illustrative purposes only

1	sensor type		code
	Fabricated Thermocouple Sensor with Crimp Seal and Heatshrink Strain Relief		TPC
2	conductor/thermocouple type (IEC 60584.1)		conductor temperature range
	Type K	Nickel Chromium vs. Nickel Aluminium	0°C to +1100°C
	Type J	Iron vs. Constantan	-50°C to +750°C
	Type T	Copper vs. Constantan	-200°C to +350°C
	Type N	Nicrosil vs. Nisil	0°C to +1200°C
	Type E	Nickel Chromium vs. Constantan	-200°C to +900°C
3	metal sheath material		maximum temperature
	316 Stainless Steel		+800°C
4	probe diameter (D1)		code
	3.0mm		3.0
	4.0mm		4.0
	4.5mm		4.5
	6.0mm		6.0
	8.0mm		8.0

Imperial sizes also available.

5	sensing junction		simplex code
	Insulated (isolated, ungrounded)		I
	Grounded (non-isolated)		G
6	probe length (mm) (L1)		code
	As required to suit your application (stock sensors also available)		e.g. 300
7	extension cable length (mm) (L2)	code	8   cable insulation (full range pages 44-51)
	As required to suit your application	e.g. 500	
			Heat Resistant PVC, 7/0.2mm Ø (+105°C) *
			PFA, 7/0.2mm Ø (+260°C)
			Fibreglass, 7/0.2mm Ø (+400°C)
			Fibreglass (St/St Braid), 7/0.2mm Ø (+400°C)

\* 6.0mm and 8.0mm probe diameters only

9	optional thermocouple connector (full range pages 53-58)		miniature code	standard code
	Thermocouple Plug (K, J, T, N, E)		FMP	RSP
	Thermocouple Socket (K, J, T, N, E)		FMJ	RSJ
10	optional 316 stainless steel compression fitting (to suit probe diameter)		code	
	3.0mm		1/8" BSPT	1/4" BSPT
	4.0mm		CF30AS	CF30CS
	4.5mm		CF40AS	CF40CS
	6.0mm		CF45AS	CF45CS
	8.0mm		CF60AS	CF60CS
			-	CF80CS
				CF30ES
				CF40ES
				CF45ES
				CF60ES
				CF80ES

Brass adjustable compression fittings also available. See page 60 for our full range.

**Important Note:** the temperature rating of the sensor is governed by the temperature rating of the extension cable (section 8)

order code (example)	1	2	3	4	5	6	7	8	9	10
	TPC	- K	- 316	- 6.0	- I	- 200	- 500	- CP10	- FMP	- CF60AS