

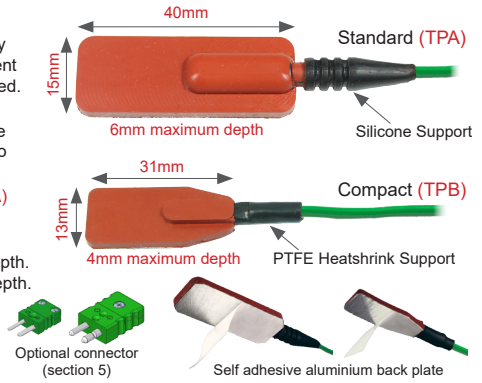
**TPA/TPB Silicone Patch Thermocouple Sensor**

Self adhesive silicone patch thermocouple sensors, commonly used for pipe or surface measurement. Available in two different sizes, but can easily be trimmed if a smaller footprint is required. Can be supplied with a PFA, fibreglass or fibreglass with stainless steel braid insulated extension cable. Standard cable length is 2 metres, however custom lengths can be supplied to suit the application.

Operating range: -30°C to +200°C. The standard sensor (TPA) has a silicone cable support; the compact sensor (TPB) has a PTFE heatshrink cable support.

TPA patch dimensions: 40mm (L) x 15mm (W) x 6mm max depth.  
 TPB patch dimensions: 31mm (L) x 13mm (W) x 4mm max depth.

- Self adhesive
- Standard and compact versions available
- -30°C to +200°C operating range
- Commonly used for pipe or surface measurement



1		sensor type		code
		Standard Silicone Patch Thermocouple Sensor		TPA
		Compact Silicone Patch Thermocouple Sensor		TPB
2		conductor/thermocouple type (IEC 60584.1)		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
3		extension cable length (mm)	code	
		As required to suit your application (standard length = 2000mm)	e.g. 2000	
4		cable insulation (full range pages 44-51)		code
		Single Pair PFA, Flat Pair		CT45
		Single Pair Fibreglass, Flat Twin		CG32
		Single Pair Fibreglass, Flat Twin, St/St Braid		CG39
5		optional thermocouple connector (supplied attached to cable)		code
		Miniature Thermocouple Plug (K, J, T)		FMP
		Standard Thermocouple Plug (K, J, T)		RSP

See pages 53-58 for our full range of Thermocouple connectors.

RTD version page 41

order code (example) 1 2 3 4 5  
 TPA - K - 2000 - CT45 - FMP

**TBAR T-Bar Penetration Thermocouple Sensor**

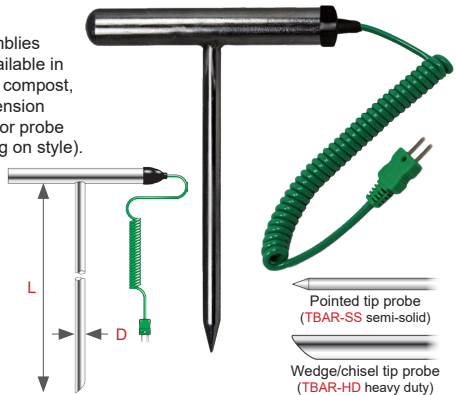
316 stainless steel T-Bar thermocouple (types K, J and T) assemblies for temperature measurement where penetration is required. Available in semi-solid (e.g. liquid, frozen food) and heavy duty (e.g. ground, compost, tarmac) styles. Supplied as standard with 2 metres of coiled extension lead with a moulded miniature plug attached. Options available for probe diameter, probe length, extension lead and connector (depending on style). Can be supplied with an insulated or grounded sensing junction. Max temperature: +400°C (types K and J), +300°C (type T).

**Semi-Solid Style (TBAR-SS)**

- Sharp pointed tip probe, suitable for semi-solid applications
- 100mm length probe x 6mm OD
- 80mm length handle x 12mm OD
- 2m coiled lead with miniature plug as standard \*

**Heavy Duty Style (TBAR-HD)**

- Wedge/chisel tip probe, suitable for heavy duty applications
- 1000mm length probe x 11mm OD (other lengths available)
- 130mm length handle x 16mm OD
- 2m coiled lead with miniature plug as standard \*



1		sensor type		code
		Semi-Solid		TBAR-SS
		Heavy Duty		TBAR-HD
2		conductor		code
		Thermocouple Type K		K
		Thermocouple Type J		J
		Thermocouple Type T		T
3		probe diameter (D) (mm)		code
		Semi-Solid: 6.0mm (fixed)		6.0
		Heavy Duty: As required		e.g. 11.0
4		probe length (L) (mm)		code
		Semi-Solid: 100mm (fixed)		100
		Heavy Duty: As required		e.g. 1000
5		sensing junction		code
		Insulated		I
		Grounded		G
6		cable length (mm)		code
		As required (add CLY suffix to code)		e.g. 2000mm CLY
7		connector		code
		Miniature Plug (standard)		FMP
		Standard Plug (optional)		RSP

\* other constructions and lengths available

order code (examples) sensor type 1 2 3 4 5 6 7  
 Semi-Solid TBAR-SS - K - 6.0 - 100 - I - 2000mm CLY - FMP  
 Heavy Duty TBAR-HD - T - 11.0 - 1000 - G - 1000mm CLY - FMP