

TNA/TNB Nozzle Thermocouple Sensor

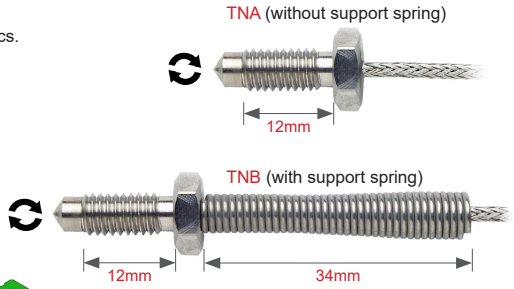
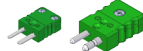
Commonly used in machinery to extrude or form plastics. The M6 x 1mm bolt is free-running which allows the sensor to be screwed into position without twisting the wires in the process.

Supplied with a stranded 7/0.2mm diameter, fibreglass insulated, stainless steel wire-braided cable. Standard cable lengths are 2 metres and 5 metres, but can be supplied at any length to suit the application.

The sensing junction is grounded for fast response.

Suitable for use up to +350°C.

- Thermocouple types K, J
- Free-running M6 x 1mm bolt
- Available with or without support spring
- Suitable for use up to +350°C



Optional connector (section 5)

Free-running bolt

1	sensor type		code
	Nozzle Thermocouple Sensor		TNA
	Nozzle Thermocouple Sensor (with support spring)		TNB
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
3	thread x length		code
	M6 x 1mm		M6
4	cable length (mm)		code
	As required to suit your application (standard length = 2000mm)		e.g. 2000
5	optional thermocouple connector (supplied attached to cable)		code
	Miniature Thermocouple Plug (K, J)		FMP
	Standard Thermocouple Plug (K, J)		RSP

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

order code (example) 1 2 3 4 5
TNA - J - M6 - 2000 - RSP

TM Threaded Melt Bolt Thermocouple Sensor

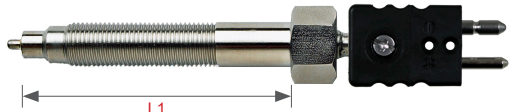
1/2 inch UNF-20 threaded melt bolt thermocouple, designed to withstand the very high pressures experienced within the nozzles of plastics extruders and injection moulding machines.

Available with a 76mm or 152mm bolt length. The 3.0mm diameter tip normally protrudes 5mm from the end of the bolt but can also be supplied flush, if preferred.

Supplied complete with a standard round-pinned thermocouple connector plug. The sensing junction is insulated as standard.

- Thermocouple types K, J
- Suitable for use up to +450°C (sensor), +220°C (connector)
- Available with 76mm or 152mm length bolt

1/2 inch UNF-20 thread, 76mm or 152mm bolt length



Optional connector (section 5)



Flush Tip



Protruding Tip (5mm)

1	sensor type		code
	Threaded Melt Bolt Thermocouple Sensor		TM
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
3	melt bolt length (L1) (excludes tip)		code
	76mm		76
	152mm		152
4	sensor tip (protruding/flush)		code
	5mm protruding tip		P
	flush tip		F
5	optional thermocouple socket (to match sensor)		code
	Standard Thermocouple Socket (K, J)		RSJ

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

order code (example) 1 2 3 4 5
TM - K - 76 - P - RSJ