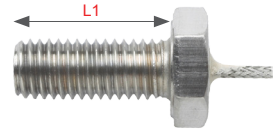



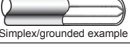
## TB Bolt Thermocouple Sensor

Commonly used for surface or vessel measurement. The bolt sensor is generally screwed into the surface which normally increases the speed of response and sensitivity of the measurement. Suitable for use up to +250°C. Supplied with a stranded 7/0.2mm diameter, fibreglass insulated, stainless steel wire-braided cable at any length to suit your application.



M8, M10, M12 bolt thread options available

- Thermocouple types K, J, T
- Suitable for use up to +250°C
- Commonly used for surface or vessel measurement

1	Sensor Type		Code
	Bolt Thermocouple Sensor		TB
2	Conductor/Thermocouple Type (IEC 60584.2)		Conductor Temperature Range
	<b>K</b>	Nickel Chromium vs. Nickel Aluminium	0°C to +1100°C
	<b>J</b>	Iron vs. Constantan	-50°C to +750°C
	<b>T</b>	Copper vs. Constantan	-200°C to +350°C
3	Bolt Thread		Code
	M8 x 1mm		M8
	M10 x 1mm		M10
	M12 x 1mm		M12
4	Bolt Length (L1)		Code
	As required to suit your application (standard length = 25mm)		e.g. 25
5	Sensing Junction		Number of Channels
	Insulated (isolated, ungrounded)	 Simplex/insulated example	Simplex
	Grounded (non-isolated)	 Simplex/grounded example	
6	Cable Length (mm)		Code
	As required to suit your application		e.g. 2000mm

Order Code (example)	1	2	3	4	5	6
	TB	- K	- M10	- 25	- I	- 2000mm

## TR Washer/Ring Thermocouple Sensor

Commonly used for surface or pipe measurement. Very easy to install and use - simply position the sensor under a bolt or rivet. Suitable for use up to +400°C. Supplied with a stranded 7/0.2mm diameter, fibreglass insulated, stainless steel wire-braided cable at any length to suit your application. Nickel plated copper eyelet material, as standard.



M3.5, M6, M8, M10, M12 washer sizes available

- Easy to install
- Thermocouple types K, J, T
- Suitable for use up to +400°C
- Commonly used for surface or pipe measurement

1	Sensor Type		Code
	Washer/Ring Thermocouple Sensor		TR
2	Conductor/Thermocouple Type (IEC 60584.2)		Conductor Temperature Range
	<b>K</b>	Nickel Chromium vs. Nickel Aluminium	0°C to +1100°C
	<b>J</b>	Iron vs. Constantan	-50°C to +750°C
	<b>T</b>	Copper vs. Constantan	-200°C to +350°C
3	Washer Size (D1)		Code
	M3.5 (0BA)		M3.5
	M6 (4BA)		M6
	M8		M8
	M10		M10
	M12		M12
4	Cable Length (mm)		Code
	As required to suit your application		e.g. 2000mm
5	Optional Thermocouple Plug (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.

Order Code (example)	1	2	3	4	5
	TR	- K	- M8	- 2000mm	- RSP