

## TW Welded Tip Fast Response Thermocouple Sensors for Autoclaves & Sterilisers

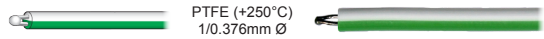
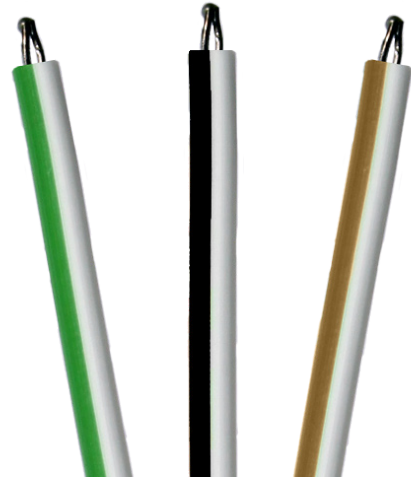
Welded tip sensors manufactured from PTFE insulated cable in a single-shot construction. The single-shot construction prevents leakage/wicking caused by capillary action.

Ideal for use in composite autoclaves and steriliser applications. The two thermocouple wires are welded at the tip to form an exposed thermocouple junction which gives a fast speed of response.

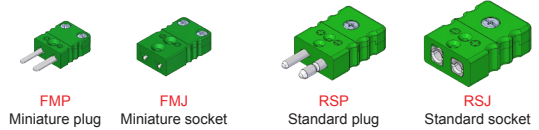
The sensors can be supplied in any length to suit your application, commonly supplied with a miniature or standard plug or socket attached for easy, quick connections.

Cable construction: Single pair of solid 1/0.376mm diameter conductors. The wire is laid flat and PTFE extruded in a single shot construction. Provides a gas, steam and water-tight insulation.

- Temperature rated -75°C to +250°C
- Available In Thermocouple Types K, J, T
- Single shot construction prevents leakage/wicking caused by capillary action
- Colour coded as standard to IEC60584.3 (BS EN 60584.3). ANSI MC96.1 colours available on request
- Available with bare wire tails, plug or socket end termination
- The insulation is very flexible and resistant to most known chemicals, fluids and oils



### Termination Options



1	Sensor Type	Code
	Welded Tip Fast Response Thermocouple Sensor	TW

2	Conductor/Thermocouple Type (IEC 60584.2)	Conductor Temperature Range	Code
<b>K</b>	Nickel Chromium vs. Nickel Aluminium	0°C to +1100°C	<b>K</b>
<b>J</b>	Iron vs. Constantan	-50°C to +750°C	<b>J</b>
<b>T</b>	Copper vs. Constantan	-200°C to +350°C	<b>T</b>

3	Cable Length (mm)	Code
	As required to suit your application	e.g. 2000mm

4	Cable Type	Conductor Size	Dimensions (approximate)	Profile	Code
	PTFE (Single Shot)	1/0.376mm dia. (0.11mm <sup>2</sup> )	2mm	Round	CT13

5	Optional Thermocouple Connector (supplied attached to cable)	Code
	Not required	NR
	Miniature Thermocouple Plug	FMP
	Miniature Thermocouple Socket	FMJ
	Standard Thermocouple Plug	RSP
	Standard Thermocouple Socket	RSJ

Order Code (example)	1	2	3	4	5
	TW	- J	- 5000mm	- CT13	- RSP