

## TPH Mineral Insulated Thermocouple Sensor with Nylon Handle

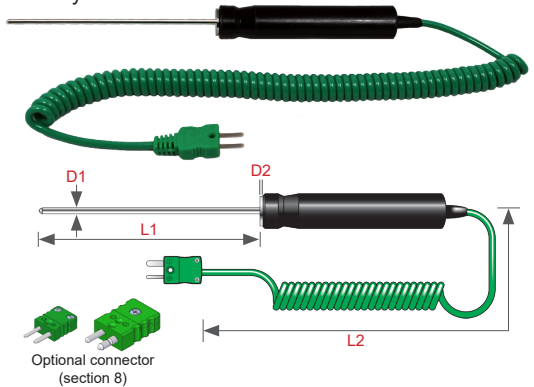
Available with probe diameters ranging from 3.0mm up to 8.0mm, with a probe length to suit your application requirements.

The nylon handle is temperature rated to +135°C and, as standard, the sensors are supplied with a 2 metre long coiled 'curly/telephone' style extension lead which is temperature rated to +110°C.

The extension lead can be supplied with a miniature or standard thermocouple plug fitted, or with tails.

**As these sensors are manufactured, the specifications can be tailored to suit your requirements. Speak to our experienced sales team if you require assistance.**



- 3.0, 4.5, 6.0 and 8.0mm Ø probe options
- Accuracy to IEC 60584.2 Class 2 (Class 1 also available)
- Nylon handle rated up to +135°C
- Curly lead rated up to +110°C (other styles available)
- Hand-held indicators to suit also available



Note: Type K thermocouple shown for illustrative purposes only


1	sensor type			code
	Mineral Insulated Thermocouple Sensor with Nylon Handle			TPH
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
	Type T	Copper vs. Constantan	-200°C to +350°C	T
	Type N	Nicrosil vs. Nisil	0°C to +1200°C	N
	Type E	Nickel Chromium vs. Constantan	-200°C to +900°C	E
3	metal sheath material	available in thermocouple types	maximum temperature	code
	321 Stainless Steel	K, J, T, E	+800°C	321
	310 Stainless Steel	K	+1100°C	310
	Inconel 600	K, N	+1100°C	600
	Nicrosil D	K, N	+1300°C	200
	Also available: <b>Incoloy 800</b> (+1100°C), <b>253MA</b> (+1150°C), <b>Alloy C276</b> (+1100°C). Contact sales for further information.			
4	probe diameter (D1)			code
	3.0mm			3.0
	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	extension cable	code
	As required to suit your application	e.g. 1000	'Curly' lead	CLY
8	optional thermocouple connector (supplied attached to cable)			code
	 FMP	 RSP	Miniature Thermocouple Plug (Types K, J, T, N, E)	FMP
			Standard Thermocouple Plug (Types K, J, T, N, E)	RSP

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

order code (example)	1	2	3	4	5	6	7	8
	TPH	- K	- 310	- 3.0	- I	- 300	- 1000	CLY - FMP



Hand-held Thermocouple Indicators  
and Data Loggers also available

See pages 66, 68-69, 70-71, 78

