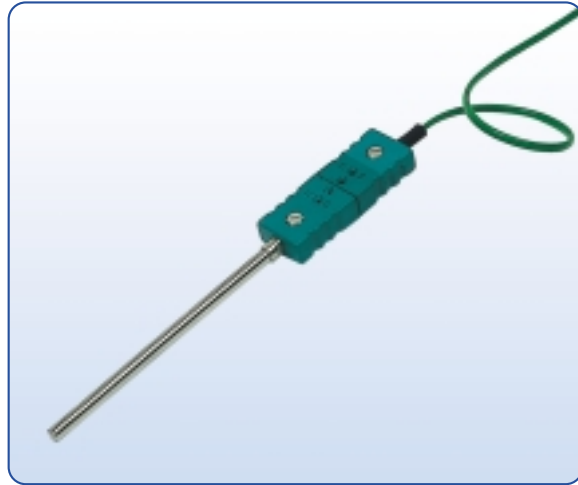


# Thermocouples TC MI PS



The TC MI PS Series of Thermocouples consists of a range of Mineraally Insulated Thermocouples which are terminated directly onto either a plug or a socket that has contacts of thermocouple material. They are available in a range of sheath materials, a variety of sheath lengths and diameters.

Having a maximum temperature of 1250°C they are suitable for many applications. An indication of suitable applications is given below.

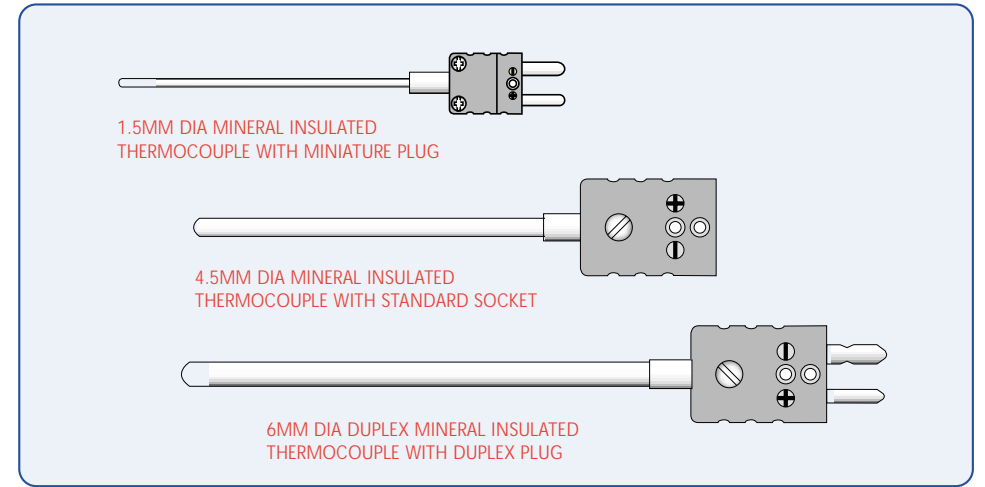
316 stainless steel - Excellent corrosion resistance often specified for food and medical applications.

321 stainless steel - Good corrosion resistance and high ductility. Widely used in industry.

310 stainless steel - Good corrosion resistance at high temperatures and recommended for use in sulphurous atmospheres.

600 Inconel alloy - Good resistance to oxidation and extremely corrosive atmospheres at high temperature. Not recommended for use in sulphurous atmospheres.

Nicrobell - Recommended for use with type N conductors. Nicrobell is a Ni/Ch/Si alloy that is suitable for use in reducing, oxidising and vacuum atmospheres.



All our thermocouples are supplied, as standard, to Class 1 tolerance for improved accuracy.

**ORDER CODE**  
TC MI PS - E - J - SM --- D -- SL ---- T --- F --

The order code information below is shown as a guide to specifying the probe. Please contact our sales office if any features that you require are not shown.

CALIBRATION TYPE	
K	
N	
J	
T	

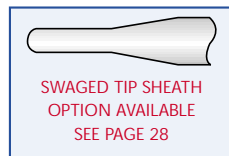
ELEMENTS	
Type	Code
Single	S
Duplex	D

JUNCTION TYPE	
Type	Code
Insulated	I
Grounded	G

SHEATH MATERIAL & TEMPERATURE		
Type	Code	Max Temp °C
316 St/St	316	800
321 St/St	321	800
310St/St	310	1100
INC 600	600	1100
Nicrobell	NBL	1250

SHEATH DIAMETER	
Size	Code
1.0mm	10
1.5mm	15
2.0mm	20
3.0mm	30
4.5mm	45
6.0mm	60

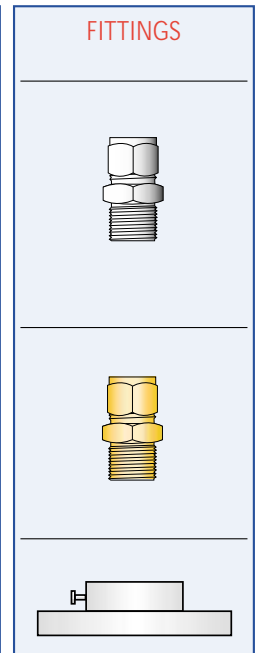
SHEATH LENGTH	
Size	Code
50mm	0050
75mm	0075
100mm	0100
200mm	0200
250mm	0250
300mm	0300
400mm	0400
500mm	0500
750mm	0750
1mtr	1000
2mtr	2000
3 mtr	3000
5 mtr	5000



TERMINATION TYPE & TEMPERATURE		
Type	Code	Max Temp °C
Mini T/C Plug	T01	200
Mini T/C Socket	T02	200
Mini T/C Plug High Temperature Plastic	T03	350
Mini T/C Socket High Temperature Plastic	T04	350
Mini T/C Plug Ceramic	T05	600
Mini T/C Socket Ceramic	T06	600
Std. T/C Plug	T07	200
Std. T/C Socket	T08	200
Std. T/C Plug High Temperature Plastic	T09	350
Std. T/C Socket High Temperature Plastic	T10	350
Std. T/C Plug Ceramic	T11	600
Std. T/C Socket Ceramic	T12	600

TERMINATION TYPE	

FITTINGS		
Size		Code
No fitting		F0
1/8" BSPT	St/St	F1
1/8" BSP	St/St	F2
1/4" BSPT	St/St	F3
1/4" BSP	St/St	F4
1/2" BSPT	St/St	F5
1/2" BSP	St/St	F6
No fitting		F0
1/8" BSPT	Brass	F7
1/8" BSP	Brass	F8
1/4" BSPT	Brass	F9
1/4" BSP	Brass	F10
1/2" BSPT	Brass	F11
1/2" BSP	Brass	F12
Flange 50mm dia	St/St	F13
Flange 50mm dia	Alum	F14



Flange fixing holes:  
3x4mm on 40 mm PCD

Duplex available for 3.0, 4.5 & 6mm sheaths