

Thermocouples TC IM SR

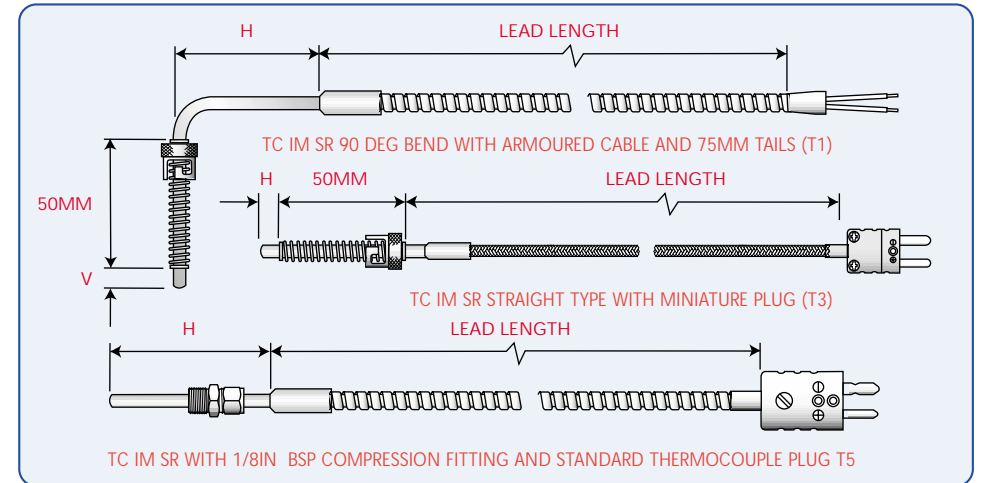


The TC IM SR Range of Thermocouples is designed primarily for use in plastics machinery although they are suitable for many temperature measuring applications. They are commonly used in Injection Moulding Machines, Plastic Extruders and Moulding Tools etc.

The thermocouples are ruggedly constructed having a stainless steel sheath housing multi-stranded glass insulated thermocouple wire. The flexible extension is protected by a choice of insulation and covering. All thermocouples are coded by coloured tails to identify the calibration of the element. (IEC colour coded.) Double (DUPLEX) elements are available.

The standard probe diameter is 4.76mm (3/16"), 3.2mm (1/8"), 4.5 & 3.0mm diameters are offered as alternatives. Maximum operating temperature for the standard range is 400°C although higher ranges are made to order.

These Thermocouples are all supplied, as standard, to Thermocouple Tolerance Class 1 for greater accuracy.



ORDER CODE

TC IM SR - E - J - D - B - H - V - B - LL - LI - 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	
J	
T	

ELEMENTS	
Type	Code
Single	S
Duplex	D

JUNCTION TYPE	
Type	Code
Insulated	I
Grounded	G

Grounded junctions have a silver soldered tip

SHEATH DIAMETER	
Size	Code
3.00mm	30
3.2mm (1/8")	32
4.50mm	45
4.76mm (3/16")	48

SHEATH STYLE	
Description	Code
90° Bend	Y
Straight Sheath	N

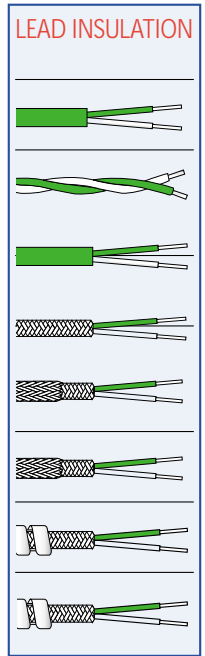
HORIZONTAL SHEATH LENGTH	
Insert dimension in mm	
Example	Code
5mm	005
50mm	050
500mm	500

VERTICAL SHEATH LENGTH	
Insert dimension in mm	
Example	Code
8mm	008
80mm	080
800mm	800
Only applicable to 90° bent probes, if sheath is straight with no vertical dimension insert	
	XXX

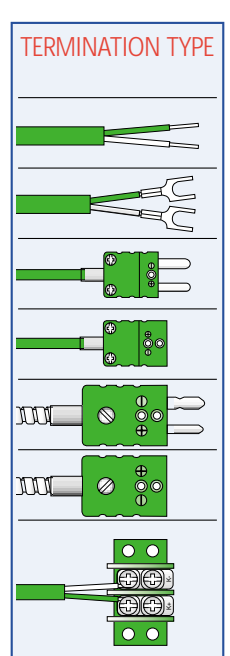
BAYONET FITTING	
Description	Code
With Bayonet assembly	Y
Without Bayonet assembly	N
Standard Bayonet Cap I/D 11.5mm. Please note Bayonet assembly (cap & spring) is 50mm long. H & V dimensions are additional lengths.	

LEAD LENGTH	
Length	Code
250mm	0250
500mm	0500
1.0mtr	1000
1.5mtr	1500
2.0mtr	2000
3.0mtr	3000
4.0mtr	4000
5.0mtr	5000

LEAD INSULATION		
	Max. Temp	Code
PVC leads/PVC Outer	100°C	L1
Teflon Twisted	260°C	L2
Teflon leads/Teflon outer	260°C	L3
Glass Braided	400°C	L4
Glass braided/ tin copper braid outer	400°C	L5
Glass braided/ St/St braid outer	400°C	L6
Glass braided/ Galv helicoil outer	400°C	L7
Glass braided/ St/St helicoil outer	400°C	L8

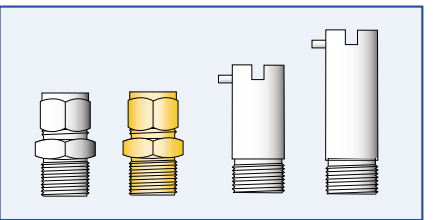


TERMINATION TYPE	
75mm tails	T1
T/C spade terminals	T2
Miniature T/C plug	T3
Miniature T/C socket	T4
Std T/C plug	T5
Std T/C socket	T6
T/C connector block (with thermocouple material terminals)	T7



COMPRESSION FITTINGS		
Size/Code	St/St	Brass
No fitting	F0	F0
1/8" BSPT	F1	F7
1/8" BSP	F2	F8
1/4" BSPT	F3	F9
1/4" BSP	F4	F10

BAYONET ADAPTORS				
STYLE 1				
Thread	O/D	No of Pegs	Length	Code
1/8" BSP	11mm	1 Peg	24mm	B1
1/8" BSP	11mm	1 Peg	35mm	B2



Colours of Leads and Terminations are for Type K Calibration, colours will change according to Calibration.