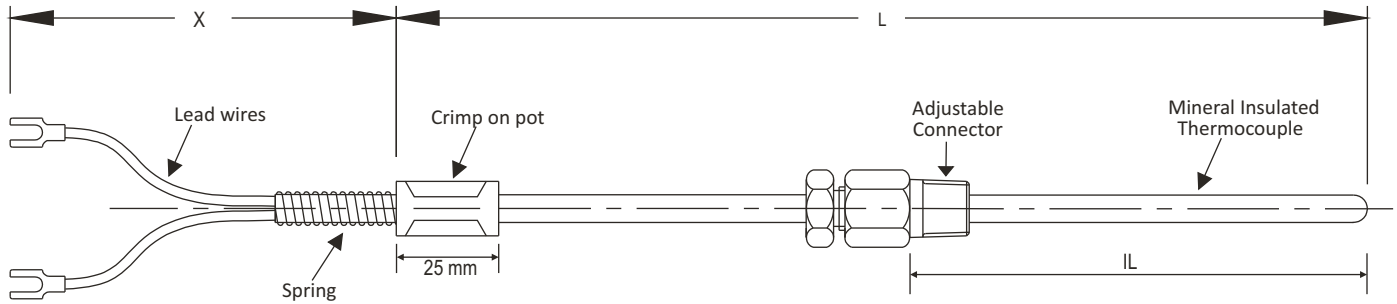


# THERMOCOUPLE INSERT WITH TRANSITION JOINT

**TC4**



## Application :

Moulding machine, Plastic industry

## Special Features :

- ★ Mineral insulation.
- ★ Thermocouple with adjustable process connection for adjustable insertion length.
- ★ Available in all standard sheath diameters and sheath materials.
- ★ Mineral insulation enables Thermocouples to be used at higher Temperatures.

## Standard Product Details

No of Elements	Simplex
Element Type	Chromel-Alumel
Accuracy	Class 2 as per IEC - 584.2
Hot Junction Type	Ungrounded Junction
Sheath Diameter	6.0 mm
Sheath Material	SS 316
Immersion Length 'IL' / Element Length 'L' (mm)	300 mm
Lead Wire Length "X" mm	3000 mm
Lead Wire Type	PTFE/PTFE/SS Wire braided lead wires
Process Connection	½" NPT(M) adj. Connector in SS 316
Option Description	SS Tag Plate

## How to Order:

Code	No. Of Elements
S	Simplex
D	Duplex
T	Triplex

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Code	Element Type
J	Iron-Constantan
K	Chromel-Alumel
T	Copper-Constantan
E	Chromel/Constantan
R	Plat. 13% Rhod. - Plat.
S	Plat. 10% Rhod. - Plat.
B	Plat. 6% Rhod. - Plat. 30% Rhod.
N	Nicrosil - Nisil

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Code	Accuracy
1	Class 1 as per IEC - 584.2
2	Class 2 as per IEC - 584.2

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Code	Hot Junction Type
G	Grounded Junction
UG	Ungrounded Junction

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Code	Sheath Diameter
1.5	1.5 mm
3	3.0 mm
4.5	4.5 mm
6	6.0 mm
8	8.0 mm

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Consult factory for other size.

(Ordering Example)

<b>TC4</b>	S	K	C2	UG	6	316	L=300	3000	3	A	SX
	1	2	3	4	5	6	7	8	9	10	11

Code	Sheath Material
S10	SS 310
S6	SS 316
INC.6	Inconel 600
INC.8	Incolloy 800

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Code	Immersion Length 'IL' / Element Length 'L' mm
	Specify in mm.

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Code	Lead Wire Length "X" mm
	Specify in mm.

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Code	Lead Wire Type
1	PTFE insulated lead wires.
2	PTFE / PTFE insulated lead wires.
3	PTFE / PTFE / SS Wire braided lead wires.
4	Fibre Glass insulated lead wires.
5	Fibre Glass / Fibre Glass insulated lead wires.
6	Fibre Glass / Fibre Glass / SS Wire braided lead wires.

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Code	Process connection
A	15NM
B	15NF
C	15BM
D	15BF
	Other, please specify.

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Code	Option Description
PW	Five Point Factory Calibration Certificate
SX	SS Tag Plate

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### Note :

1. When selecting option "PW", please also specify measuring temperature range. (For e.g. 0/300°C)