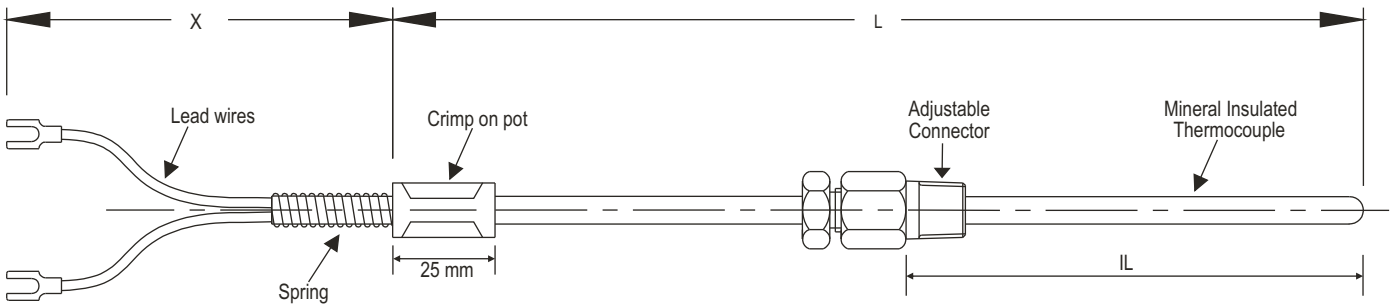


# THERMOCOUPLE INSERT WITH TRANSITION JOINT

## TGI32-7



### 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.

### HOW TO ORDER

Code	No. Of Elements
1	Simplex
2	Duplex
3	Triplex

1

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

2

Code	Accuracy
CL1	Class 1 as per IEC - 584.2
CL2	Class 2 as per IEC - 584.2

3

Code	Hot Junction Type
G	Grounded Junction
UG	Ungrounded Junction

4

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
Consult factory for other size.	

5

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

6

- Reference standard :- IEC - 584.2

### APPLICATIONS:

- Moulding machine, Plastic industry

### 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	- 1/2"NPT(M) adj. Connector in SS 316
Option Description	- SS Tag Plate

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

7

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

8

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.

9

Code	Process connection
A	1/2"NPT(M) adj. connector in SS 316
B	1/2"NPT(F) adj. connector in SS 316
C	1/2" BSP(M) adj. connector in SS 316
D	1/2" BSP(F) adj. connector in SS 316
	Other, please specify.

10

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

11

### Note :

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

(Ordering Example)

TGI32-7	1	K	CL2	UG	6	316	L=300	3000	3	A	SX
	1	2	3	4	5	6	7	8	9	10	11