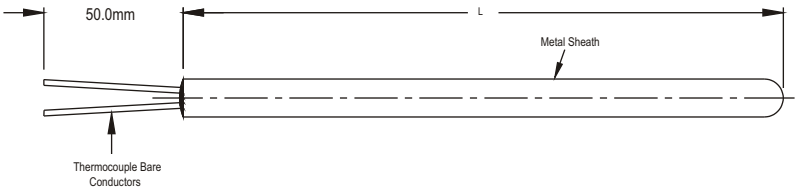
excel INSTRUMENTS®

Ensuring accuracy and performance

TC05

Thermocouple Sensor Mineral Insulated Bare Insert



CE

- Reference standard :- **IEC - 584.2**

SPECIAL FEATURES:

- Mineral insulation.
- Available in all standard sheath diameters and sheath materials.
- Bare conductors provided for termination of your choice.
- Mineral insulation enables Thermocouples to be used at higher Temperatures.
- Mineral insulated Thermocouple is flexible / pliable and can be routed through high Temperature environment.

APPLICATIONS:

- Used as a replacement Thermocouple element in existing Thermowells / protection tubes.

STANDARD PRODUCT DETAILS

No of Elements	-	Simplex
Element Type	-	Chromel-Alumel
Accuracy	-	Class 2 as per IEC - 584.2
Hot Junction	-	Ungrounded Junction
Sheath Diameter	-	6.0 mm
Sheath Material	-	SS 316
Cold End Termination	-	Bare c o nductors
Element Length"L"(mm)	-	300 mm
Option Description	-	SS Tag Plate

HOW TO ORDER

1

Code	No. Of Elements
1	Simplex
2	Duplex
3	Triplex

2

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

3

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

4

Code	Hot Junction Type
G	Grounded Junction
UG	Ungrounded Junction

5

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.	

6

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

7

Code	Cold End Termination
B	Bare Conductors (Direct conductors taken out from cable sheath.)

8

Code	Element Length "L" (mm)
	Specify in mm

9

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

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

(Ordering Example)

TC 05 Series	1	K	CL2	UG	6	316	B	300	SX
	1	2	3	4	5	6	7	8	9

Notes : • Drawings are not to scale. • All Dimensions are in mm.