



HOW TO ORDER

Code	No. Of Elements
1	Simplex
2	Duplex
3	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
CL1	Class 1 as per IEC - 584.2
CL2	Class 2 as per IEC - 584.2

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Code	Wire Diameter	
8	8 SWG	(4.0641mm)
12	12 SWG	(3.641mm)
14	14 SWG	(2.032 mm)
20	20 SWG	(0.914 mm)
25	25 SWG	(0.508 mm)

Consult factory for other size.

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Code	Insulator OD
3.5	3.5 mm
6	6.0 mm
8	8.0 mm
10	10.0 mm
12	12.0 mm

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

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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)

(Ordering Example)

TC 09 Series	1	K	B	14	8	300	SX
	1	2	3	4	5	6	7

- Reference standard :- IEC - 584.2

SPECIAL FEATURES:

- Bare wire Thermocouple element with ceramic insulators.
- Thermocouple type 'R', 'S' and 'B' are available in 25 SWG or lower size.
- Low cost version.

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
Wire Diameter	- 14 SWG
Insulator OD	- 8.0 mm
Element Length "L" (mm)	- 300 mm
Option Description	- SS Tag Plate

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

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

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Code	Terminal Head Type
SW5	Screwed type, weatherproof, IP-65 in die-cast Aluminium
SW7	Screwed type, weatherproof, IP-67 in die-cast Aluminium
SFP	Screwed type, flameproof Gr. IIA IIB in die-cast Aluminium
SEP	Screwed type, explosionproof Gr.IIC in die-cast Aluminium
HWP	Hinged type, weatherproof, IP-65 in die-cast Aluminium
BWP	Weatherproof Head, IP-65 in die-cast Aluminium with cover fitted with two screws.

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Code	No. Of Conduit Entry/Entries
1	One
2	Two
	Other, Please Specify

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Code	Conduit Entry Size
A	3/4" ET(F)
B	1/2"NPT(F)
C	3/4"NPT(F)
	Other, Please Specify

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Code	Head Extension Type
FC	Fixed Threaded Connection

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

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Code	Process connection "P"
A	1/2"NPT(M)
B	1/2"BSP(M)
C	3/4"NPT(M)
D	3/4"BSP(M)
	Other, Please Specify

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Code	Option Description
0	None
3	Terminal head in SS 304
4	Terminal head in SS 316
6	S.C. cable gland in nickel plated brass
7	D.C. cable gland in nickel plated brass
8	S.C. cable gland in SS 304
9	D.C. cable gland in SS 304
11	S.C. cable gland in SS 316
12	D.C. cable gland in SS 316
13	Head mounted temperature transmitter
14	S.S. base plate suitable for Temperature Transmitter mounting
16	Head Extension in SS 304.
17	Head Extension in SS 316.
20	Plug for conduit entry in Carbon Steel [ASTM A105]
21	Plug for conduit entry in SS 304
22	Plug for conduit entry in SS 316
23	Plug for conduit entry in Aluminium
PW	Factory Calibration Certificate
SX	SS Tag Plate
TC	Teflon Coating on Sheath

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Note :

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

2. Explanations of Abbreviations used:

- SC = Single Compression
- DC = Double Compression
- SS = Stainless Steel

(Ordering Example)

TC 01	1	K	CL2	UG	6	316	SWP	1	B	FC	300	A	6
	1	2	3	4	5	6	7	8	9	10	11	12	13