





SHEATHED BASE METAL THERMOCOUPLE with CONNECTION HEAD



Industrial thermocouple assemblies are designed to be used in the most severe and demanding environments. The choice of a specific style is to a large degree determined by the temperature working range, ambient atmospheric or media conditions, as well as the size and shape required for the application. Control requirements such as accuracy and speed of response may also be taken into considerations.

APPLICATIONS

PRODUCT FEATURES

•	General Purpose but especially appropriate for severing & demanding conditions	• Wie	der Temperature Range up to 1100 °C
•	Salt Baths, Heat Treating and Molten Metal Applications		avy Wall to provide long life of thermocouple in sh conditions
•	Temperature Measuring Instrument for Boilers & Other Temperature & Pressure Vessels		riety of Pipe Material for use in different nospheres
•	Temperature Measurement in various type of furnaces	• Eas	sy to use in hanging applications.
•	Temperature Measurement in Chemical Reactors	• The	ermal Accuracy as per ANSI MC 96.1 & ASTM E230
•	General Industrial Applications	• Fas	ster Response

PRODUCT TECHNICAL SPECIFICTIONS				
Element	J (Fe / Const) 0 °C - 760 °C K (Chromel / Alumel) -200 °C - 1260 °C T (Copper / Const) -250 °C - 350 °C E (Chromel / Const) -200 °C - 900 °C N (Nicrosil / Nisil) -270 °C - 1300 °C			
No. of Element	Simplex / Duplex			
Junction	Grounded / Ungrounded			
Insulation	Ceramic			
Sheath OD	6 mm to 25 mm or higher on request			
Sheath Length	1000 mm or more on request			
Sheath Material	SS 304 / 316 / 310 / 446 / INCONEL 600 / Hast Alloy / High Alumina oxide (Ceramic Tubes)			
Mounting	Fixed Threaded, Adj. Ferrule fittings, Flanged, Nipple Union Nipple etc.			
Termination	Flame Proof or Weather Proof Head with Single, Double entry from Cast Aluminium / Cast Iron / SS / Plastic Ceramic Terminal Block with Nickel Plated Brass Terminal & Optional spring loaded Terminal Ceramic Terminal Block with SS Base Plate SS Base Plate with flying leads for Temperature Transmitter			
Enclosure	Weatherproof & Explosion Proof Head with Double Entry & Single Entry Cable Entry of Alu. Die Cast, Optional Stainless Steel			
Optional Accessories	Thermo well for external sensor protection, Head mounted transmitter etc. & Extension Wire			

Thermocoupole can be custom configured & designed depending upon its environmnetal condtions & its demanding applications within the above TECHNICAL CONSTURCTIONAL SPECIFICATIONS.



ELTEC CABLES & INSTRUMENTS

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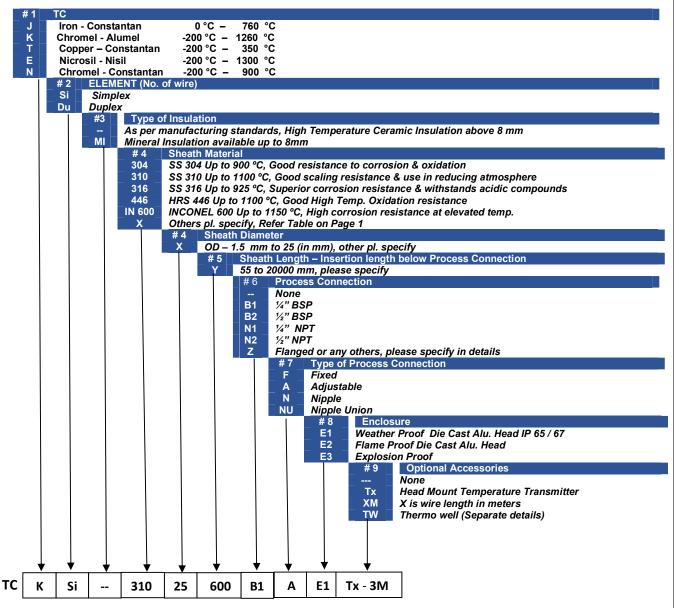
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THERMOCOUPLE with CONNECTION HEAD ORDERING CODE



TC K Si 310 25 x 600 B1 A E1 T - 3M

Thermocouple K Type Duplex, Sheath: SS 310, OD: 8 mm, Legth: 2000 mm, ½ "BSP Adjustable Connection, Weatherproof Enclosure with Head Mount Temperature Transmitter & 3 Meter wire length

- For Simplex Thermocouple, standard enclosure offered is single cable entry Alu. Die Cast Head
- For Duplex Thermocouple, standard enclosure offered is double cable entry Alu. Die Cast Head
- Other enclosure with different colors, size & types are available on request



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