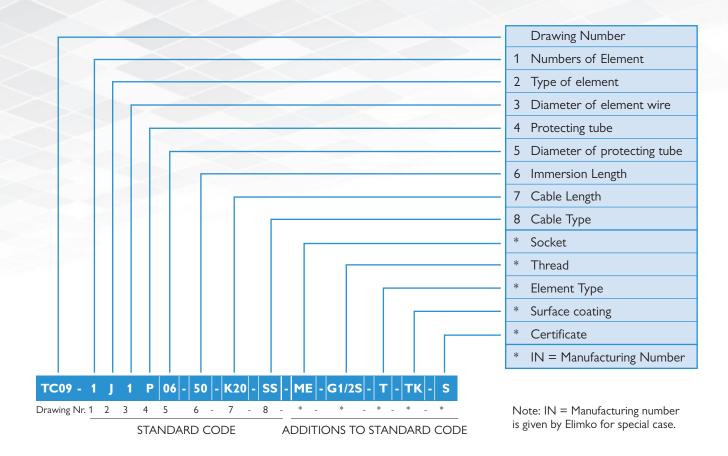


## Elimko Portable Type Thermocouple Coding



### STANDARD CODE

It is encoded with digits and letters containing the drawing number and 8 separate pieces of information.

#### **ADDITIONS TO STANDARD CODE**

In addition to the technical specifications contained in the standard codes, the required features are listed in the "ADDITIONS TO STANDARD CODE". These features are given below. In this section only needed features are written. See examples.

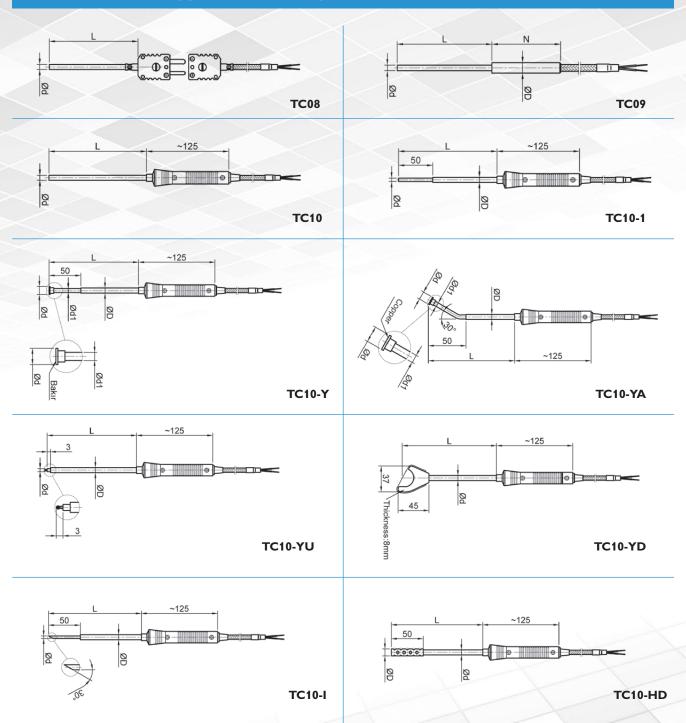
#### **SPECIAL CASES**

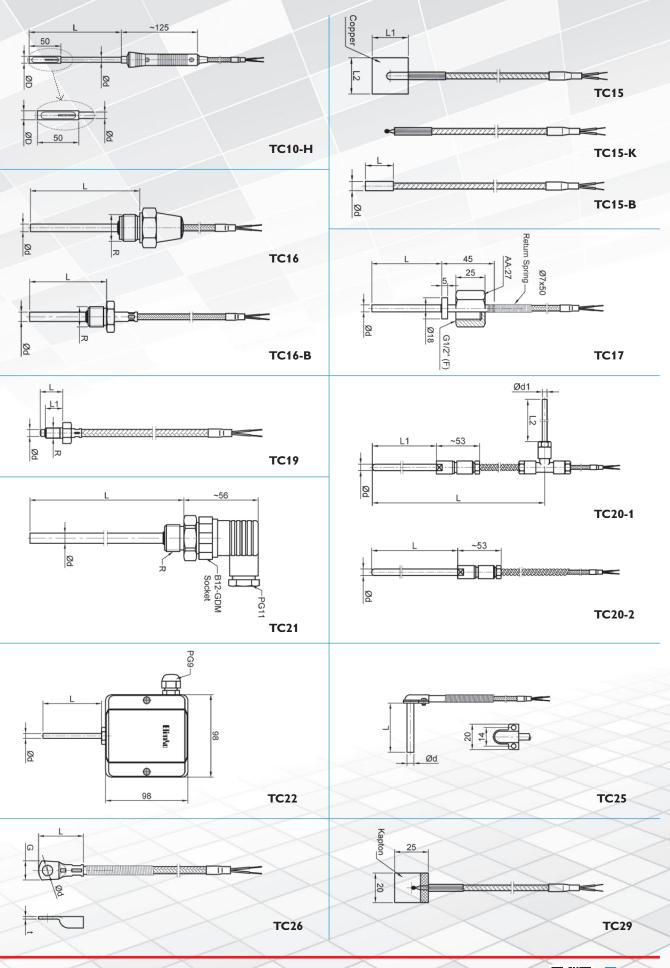
Additional features which are not fully defined with "STANDARD CODE" and "ADDITIONS TO STANDARD CODE" are encoded with special drawing number. This code is expressed with IN=Manufacturing number.

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Drawing Number	TC08, TC09, TC10, TC10-1, TC10-H, TC10-HD, TC10-Y, TC10-YA, TC10-YD, TC10-YU, TC11, TC12, TC15, TC15-B, TC15-K, TC16, TC17, TC19, TC20-1, TC20-2, TC21, TC22, TC25, TC26, TC29	Thermocouple figures have been numerated with different drawing numbers.
1- Single element Double element	(1) Single Element (2) Double Element (3) Three Element () Multiple Element Number to be Written	Thermocouple element number is written in the 1 <sup>st</sup> digit.
2- Element Type	T Cu-Const IEC 60584 N Nicrosil-Nisil IEC 60584  J Fe-Const IEC 60584 S Pt%10Rh-Pt IEC 60854  K NiCr-Ni IEC 60584 R Pt%13Rh-Pt IEC 60854  E Cr-Const IEC 60854 B Pt%18Rh-Pt IEC 60854	Corresponding letter shall be written on the 2 <sup>nd</sup> digit according to the type of the thermocouple.
3- Element Diameter	ELEMENT WIRE  1 1 mm	It is written with the figure opposite to the selected element wire diameter by considering temperature limits and ambient temperatures on the 3 <sup>rd</sup> digit.
4- Protecting tubes	I Inconel P 1.4301 (304) E 1.4401 (316) H 1.4404 (316L) J 1.4541 (321) K 1.4571 (316 Ti) Y 610 Z 799 T Teflon	The protecting tube is written on the 4 <sup>th</sup> digit by selecting in accordance with the process conditions.  NOTE: It is possible to make production with all standard pipes used in this field. You may order out of standards specified in the catalog. Contact with Elimko.
5- Protecting tube diameter	02 06 11 16 03 08 12 17 04 09 14 18 05 10 15 20 Note: These dimensions given in mm.	The protecting tube diameter is written on the 5 <sup>th</sup> digit. Diameter shall be selected by considering various factors. Diameters given here are standard dimensions.  Note: Two figures exist on the 5 <sup>th</sup> digit.
6- Thermocouple length (Immersion Length) (cm)	05 71 10 100 16 120 18 140 25 160 35 200 50 Note: These dimensions given in mm.	Thermocouple length is written on the 6 <sup>th</sup> digit. Thermocouple Immersion length should be 6 – 10 times of the protecting tube diameter in order to ensure correct measurement.
7- Cable Length	K05 50 cm       K20 2 m         K10 1 m       K25 2.5 m         K15 1.5 m	
8- Cable Type	SS Silicon+Silicon CCB Fiber Glass + Fiber Glass + CC Fiber Glass + Fiber Glass Shielding TT Teflon + Teflon SCB Silicon + Fiber Glass + PP PVC + PVC Shielding	Note: Please contact Elimko for other cable types.
* Socket	ME Miniature Male SE Standard Male MD Miniature Female SD Standard Female	Note: Please contact Elimko for other sockets.
* Thread	G1 1NPT M10x1 G½ ½NPT M12x1 G¼ ¼NPT M12x1.5 G⅓ ½NPT M27x2 G1 S Adjustable 1NPT S Adjustable M10x1 S Adjustable	If thread exists, it shall be indicated with characters given in the standard Note: Some of the standards writter on this area. Manufacturing takes place with all standards. Please indicate your needs.

	* Element Type	TZ Ungrounded HD Ai B Pipe UA O H Air Y Su	Velded sir Hole Open Ended urface urface Angle	YD Surface Spherical YU Surface Open Ended	The details of the thermocouple end point are given with their codes.
	* Surface coating	TK Tefloncoating TH Teflon hose STK Satellite coating			Protecting tube can be coated with known materials. If coating exits coding is done according to its type.
N. A.	* Certificate	S calibration certificate			Note: Please apply Elimko for your certificate.

# **Elimko Portable Type Thermocouples**







The company's policy is one of continuous product improvement. We reserve the right to modify the information contained herein without notice.



