

T02

Thermocouple With terminal and Thread fitting



【Feature】

T02 is a screw-in type thermocouple that can be used in various applications such as furnaces up to 1200 ° C and flue.

The standard screws are taper pipe threads (R) and parallel pipe threads (G), but other types of threads can be produced.

【Common Specifications】

Element : T、J、E、K
Tolerance : Class1, Class2
Number : Single, Double
of element

Measuring Non-grounding
junction : (standard)

Insulation : 10MΩ or more with
resistance : 500V

【Special specification (Option)】

◇Internal signal converter
(DC4~20mA output)

※Single element only

◇Special thread
etc.

【Option】

◇Pull-out protection
tube, thread type (WPS)
etc.

【Ordering code】

T02 — — — —

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫

Contents	Code	Specifications
Model	T02	Thermocouple With terminal and Thread fitting
① Tolerance	1	Class 1
	2	Class 2
	3	ANSISPECIAL
	4	ANSISTANDARD
② Element type/ Element diameter	T□□	Type T (Copper/Constantan), Element diameter (0.65,1.0,1.6)
	J□□	Type J (Iron/Constantan), Element diameter (0.65,1.0,1.6,2.3,3.2)
	E□□	Type E (Nickel–Chromium/Constantan), Element diameter(0.65,1.0,1.6,2.3,3.2)
	K□□	Type K (Nickel–Chromium/Nickel–Alumel), Element diameter(0.65,1.0,1.6,2.3,3.2)
③ Number of Elements	S	Single element
	D	Double element
④ Connection Head	N	Standard : Die-cast aluminum (Weather proof)
	F	Special : Phenol resin
	T	2-way cable connection : Aluminum casting (Weather proof)
	W	Double cable connection : Aluminum casting (Weather proof)
	K	Small type : Die-cast aluminum (Weather proof)
⑤ Nipple	5	50mm (Same diameter, material as protection tube)
	6	100mm (Same diameter, material as protection tube)
	7	150mm (Same diameter, material as protection tube)
	Z	Other than above
⑥ Thread type	R	Taper thread
	G	Parallel thread
⑦ Thread size	10	3/8 (PT, PS) *Please inform for NPT, NPS
	15	1/2 (PT, PS) *Please inform for NPT, NPS
	20	3/4 (PT, PS) *Please inform for NPT, NPS
	25	1 (PT, PS) *Please inform for NPT, NPS
	□□	Other than above
⑧ Thread material	UB	SUS304
	UC	SUS316
	Z1	Other than above
⑨ Protection tube diameter	08	φ8mm
	10	φ10mm
	12	φ12mm
	15	φ15mm
	17	φ17.3mm
	22	φ21.7mm
⑩ Protection tube material	UB	SUS304
	UC	SUS316
	P4	High chromium steel (※2)
	Z2	Other than above
⑪ Immersion length	□□□	Immersion length (mm)
⑫ Special		N or S N = standard, S = special

(※1) The outer diameter of the protection tube in which a small terminal box can be used is φ12 or less.

(※2) When the material of the protection tube is "P4", the outside diameter of the protection tube is φ21.3. Select "22" for the symbol of the protective tube outer diameter.

※The applicable outer diameter of the protective tube differs depending on the wire diameter and the number of wires.

※The operating temperature differs depending on the combination of wire type, wire diameter, and protective tube material.

【Dimensions】

