

TS2

Sheath Thermocouple With terminal and Thread fitting



【Feature】

TS2 is a screw - in type sheathed thermocouple that can be used in various applications such as furnaces and flues up to 1050 ° C. Standard screws are taper pipe thread (R) and pipe parallel thread (G), but other types of screws are also available.

【Common Specifications】

Element : T、J、E、K

Tolerance : Class1, Class2

Number : Single, Double of element

Measuring junction : Non-grounding (standard)

Insulation resistance : 20MΩ or more with 100V (φ 2.0 or less)
100MΩ or more with 500V (φ 2.3 or more)

【Special specification (Option)】

◇ Internal signal converter (DC4~20mA output)

※ Single element only

◇ Special thread

◇ Sheath bending etc.

【Option】

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

【Ordering code】

TS2 - ① ② ③ ④ - ⑤ ⑥ ⑦ ⑧ ⑨ - ⑩ ⑪

Contents	Code	Specifications
Model	TS2	Sheath Thermocouple With terminal and Thread fitting
① Tolerance	1	Class A
	2	Class B
② Element type	T	Type T (Copper/Constantan)
	J	Type J (Iron/Constantan)
	E	Type E (Nickel-Chromium/Constantan)
	K	Type K (Nickel-Chromium/Nickel-Alumel)
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 Sheath Diameter	A	φ 1.0mm (SUS316) ※Single element only
	B	φ 1.6mm (SUS316) ※Single element only
	C	φ 2.3mm (SUS316)
	E	φ 3.2mm (SUS316)
	F	φ 4.8mm (SUS316)
	G	φ 6.4mm (SUS316)
	H	φ 8mm (SUS316)
⑥ Nipple	0	None
	5	50mm (φ 12mm, SUS304)
	6	100mm (φ 12mm, SUS304)
	7	150mm (φ 12mm, SUS304)
	8	50mm (φ 21.7mm, SUS304)
	9	100mm (φ 21.7mm, SUS304)
	10	150mm (φ 21.7mm, SUS304)
⑦ Thread type	R	Taper thread
	G	Parallel thread
⑧ Thread size	06	1/8
	08	1/4
	10	3/8
	15	1/2
	20	3/4
	25	1
	□□□	Please inform other than above
⑨ Thread material	UB	SUS304
	UC	SUS316
	Z	Please inform other than above
⑩ Immersion Length	□□□	Immersion length (mm)
⑪ Special	N	Standard
	S	Special

※ Temperature range depends on the element type and sheath diameter

【Dimensions】

