



【Feature】

TS5 is a screw-in type sheathed thermocouple that can be used in various applications such as in furnaces and flues up to 900 ° C. Standard screws are taper pipe thread (R) and pipe parallel thread (G), please contact us for other types of screws.

【Common Specifications】

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

Measuring junction : Non-grounding (standard)

Insulation resistance : 20MΩ or more with 100V (φ2.0 or less)
100MΩ or more with 500V (φ2.3 or more)

【Special specification (Option)】

- ◇Special thread
- ◇Sheath bending
- ◇Sheath material NCF600(Inconel)

【Option】

- ◇Pull-out protection tube,thread type (WPS)
- ◇Connector (TKC)
- ◇Compensation wire (TCW) etc.

【Ordering code】

TS5 — — — —

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪

Contents	Code	Specifications
Model	TS5	Sheath thermocouple with compensation wire and thread fitting
① Tolerance	1	Class A ※In case compensation wire class 1
	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 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)
⑤ Thread Type	R	Taper thread
	G	Parallel thread
⑥ Thread Size	06	1/8
	08	1/4
	10	3/8
	15	1/2
	20	3/4
	25	1
⑦ Thread Material	UB	SUS304
	UC	SUS316
	Z1	Please contact us for other than above
⑧ Immersion Length		Immersion length (mm)
⑨ Compensation Wire	G	Vinyl coating
	H	Glass coating
	Z2	Please contact us for other
⑩ Compensation Wire Length		Wire length (mm)
⑪ Special		S

*Note 1 : Please contact us for special specifications or options.

*Note 2 : Operating temperature depends on element type and sheath diameter.

*Note 3 : Operation temperature of compensation wire is as below.

Coating material	Max. operating temp.	Min. operating temp.
Heat-resistant Vinyl	90°C	-20°C
Glass Braid	150°C	0°C

【Dimensions】

