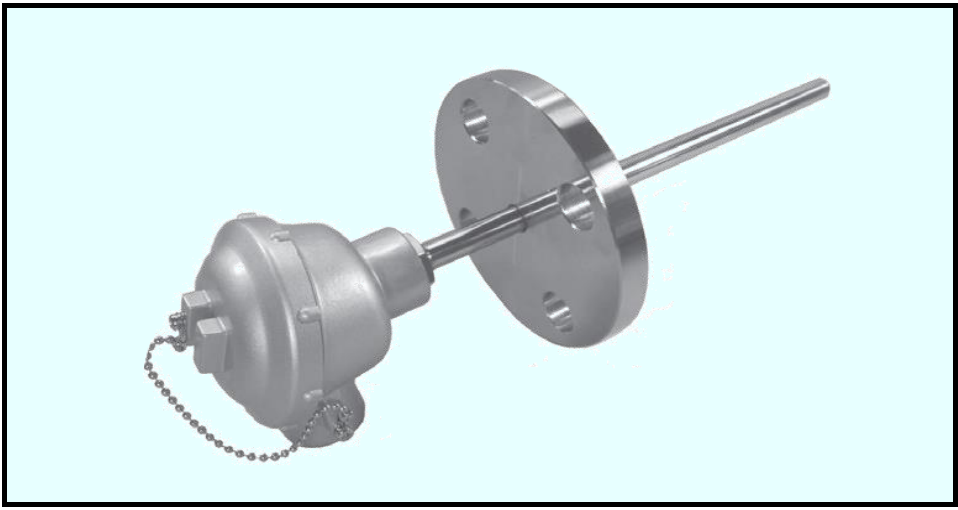


Flange Type Thermocouple with Terminal

T03



The T03 is a flange type thermocouple that can be used in various applications such as in furnaces and flues up to 1200 °C. The standard flange is JIS standard, but JPI standard and ANSI standard flanges can also be manufactured.

Features

- ★ With Connection head and terminal
- ★ With Flange

Ordering code

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Tolerance	T/C type / diameter	Number of Element	Connection Head	Nipple Length	Flange nominal pressure	Flange face seat	Flange nominal diameter	Flange Material	Protection Tube Diameter	Protection tube Material	Immersion Length	Special	Decsription	
1													Tolerance	JIS Class 1
2														JIS Class 2
3														ANSI SPECIAL
4														ANSI STANDARD
	T□□												T/C type / diameter	Type T (Copper/Constantan) Temp. range : 0 to 350°C (Depends on diameter) Diameter (0.65, 1.0, 1.6)
	J□□													Type J (Iron/Constantan) Temp. range : 0 to 750°C (Depends on diameter) Diameter (0.65, 1.0, 1.6, 2.3, 3.2)
	E□□													Type E (Nickel-Chromium/Constantan) Temp. range : 0 to 800°C (Depends on diameter) Diameter (0.65, 1.0, 1.6, 2.3, 3.2)
	K□□													Type K (Nickel-Chromium / Nickel-Alumel) Temp. range : 0 to 1200°C (Depends on diameter) Diameter (0.65, 1.0, 1.6, 2.3, 3.2)
		S											Number of Element	Single element
		D												Double element
			N										Connection Head	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) *Protection tube diameter φ12mm or less
				5									Nipple Length	50mm (same diameter and material as Protection tube)
				6										100mm (same diameter and material as Protection tube)
				7										150mm (same diameter and material as Protection tube)
					05								Flange nominal pressure	JIS 5K
					10									JIS 10K
					20									JIS 20K
					40									JIS 40K
						R							Flange face seat	RF (Raised face)
						F								FF (Full face)
							15						Flange nominal diameter	15A
							20							20A
							25							25A
							40							40A
								UB					Flange Material	304 SS (Stainless Steel) (0 to 1000°C)
								UC						316 SS (Stainless Steel) (0 to 1050°C)
									08				Protection Tube Diameter	φ8mm
									10					φ10mm
									12					φ12mm
									15					φ15mm
									17					φ17.3mm
									22					φ21.7mm
										UB			Protection tube Material	304 SS (Stainless Steel) (0 to 1000°C)
										UC				316 SS (Stainless Steel) (0 to 1050°C)
										P4				High chrome steel (SANDVIK P4) (0 to 1200°C) * Protection tube diameter is only φ21.3mm Please select 22 for diameter code
											□□□		Immersion Length	Immersion length below terminal box (mm)
												S	Special	Special specification for example : 1) Internal Signal converter (4 to 20mA output) for single element 2) Teflon coating protection tube 3) etc.

*Note 1 : The outer diameter of the protection tube that can be used with the small terminal box is 12 or less.

*Note 2 : When the protection tube material is "P4", the protection tube outer diameter is φ21.3.
Select "22" as the symbol for the outer diameter of the protective tube.

*Note 3 : The applicable outer diameter of the protection tube differs depending on the wire diameter and the number of wires.

*Note 1 : The outer diameter of the protection tube that can be used with the small terminal box is 12 or less.

*Note 2 : When the protection tube material is "P4", the protection tube outer diameter is φ21.3.
Select "22" as the symbol for the outer diameter of the protective tube.

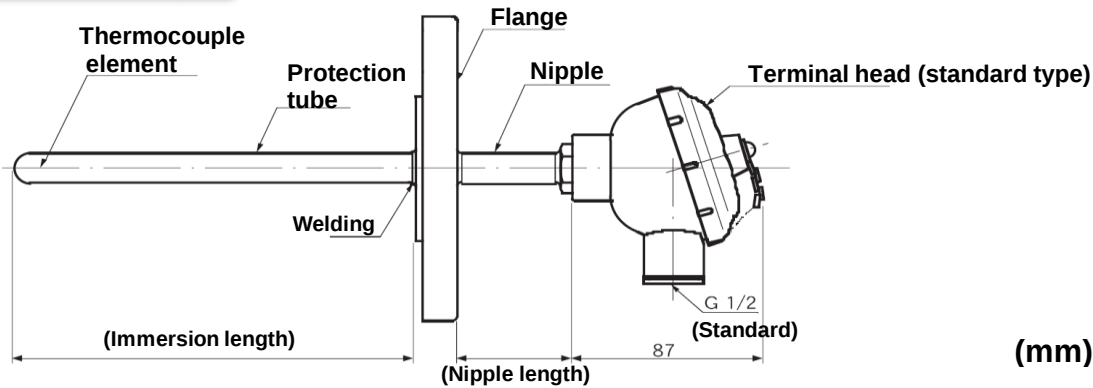
*Note 3 : The applicable outer diameter of the protection tube differs depending on the wire diameter and the number of wires.

*Note 4 : The operating temperature varies depending on the combination of wire type, wire diameter

Common Specifications

Thermocouple type	T, J, E, K
Tolerance	Class 1, Class 2
Number of element	Single / Double
Measuring junction	Non-grounding (Standard)
Insulation resistance	10MΩ or more with 500V

Dimensions



* Specification is subject to change without notice