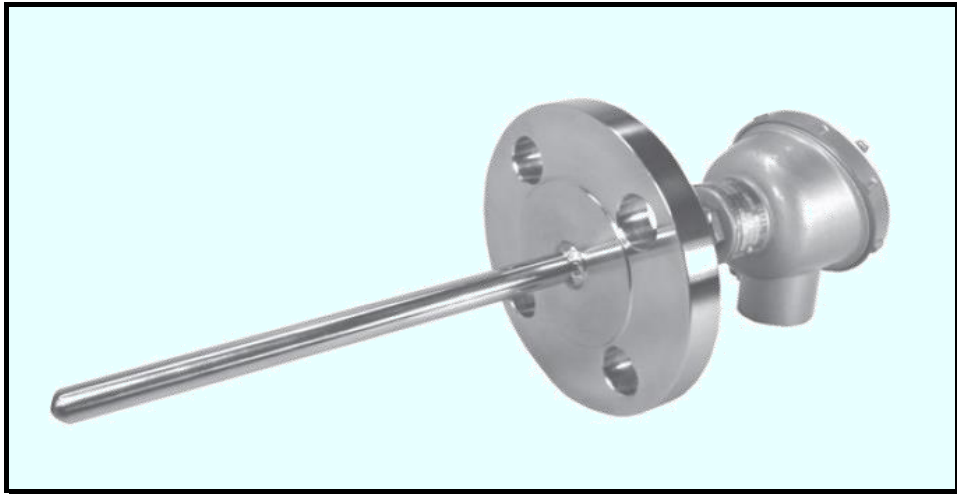


RTD (Resistance Temperature Detectors) with Connection head and Flange

R03



R03 is a flange type resistance thermometer, and can be used for various applications such as piping, ducts, and tanks.

Features

- ★ With Connection head and Flange
- ★ Please contact for special specifications

Ordering code

R03 - [] [] [] [] - [] [] [] [] [] [] [] [] - [] - []

Tolerance	Temp. range	Number of Element	Connection Head	Nipple Length	Flange nominal pressure	Flange seat	Flange nominal diameter	Flange material	Protection tube Diameter	Protection tube Material	Immersion Length	Special	Description	
A													Tolerance	Class A, Pt100Ω
B														Class B, Pt100Ω
	L												Temperature range	-60 to +180°C
	H													+180 to +600°C
		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)
				5									Nipple Length	*Protection tube diameter φ12mm or less
				6										50mm
				7										100mm
				Z										150mm
														Please inform us for other than above
					05								Flange nominal pressure	JIS 5K
					10									JIS 10K
					20									JIS 20K
					40									JIS 40K
					□□									Please inform us for other than above
						R							Flange seat	RF (Raised Face)
						F								FF (Flat face)
							15						Flange nominal diameter	15A
							20							20A
							25							25A
							40							40A
							□□							Please inform us for other than above
								UB					Flange material	304 SS (Stainless Steel)
								UC						316 SS (Stainless Steel)
								Z1						Please inform us for other than above
									32				Protection tube Diameter	φ3.2mm
									48					φ4.8mm
									64					φ6.4mm
									8					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)
										Z2				Please inform us for other than above
											□□□		Immersion Length	Immersion length below Flange (mm)
												N	Standard	Standard
												S	Special	Special specification for example : 1) High accuracy Pt100Ω element 2) Pt100Ω element for Calorie calculation 3) Internal Signal converter (4 to 20mA output) for single element 4) Special Flange 5) etc.

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

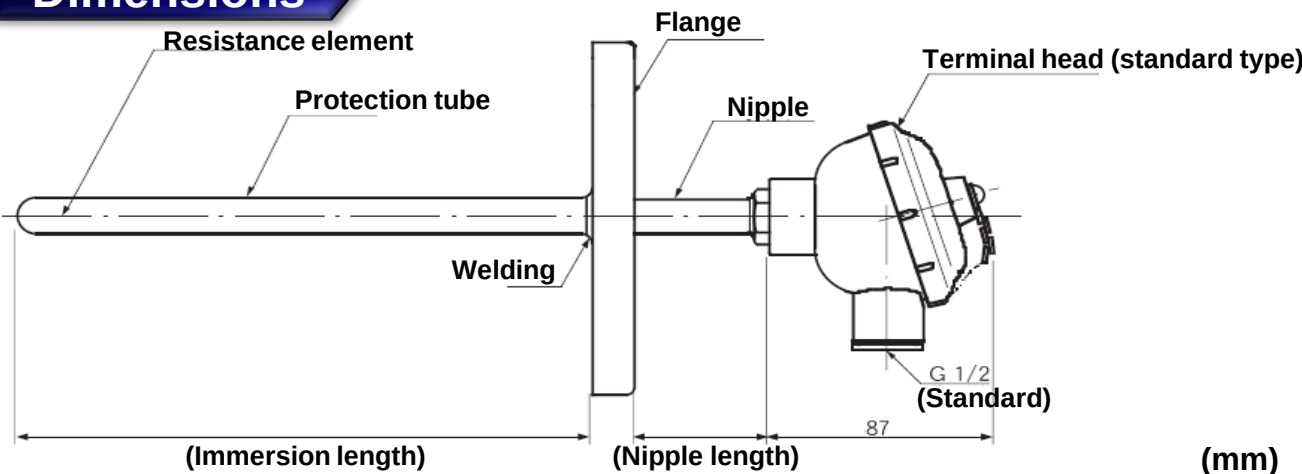
*Note 2 : The diameter and material of nipple is same diameter and material when protection tube is φ10 or more, φ12 (304SS) when protection tube is φ3.2 to φ8.

*Note 3 : Cannot change element when diameter of protection tube is φ3.2 to φ8. (Magnesia [MgO] filling)

Common Specifications

Element	Pt100Ω resistance element
Wiring	3-wire
Tolerance	Class A : $\pm(0.15 + 0.002 t)$ Class B : $\pm(0.3 + 0.005 t)$
Measuring current	1mA
Number of element	Single / Double
Insulation resistance	100MΩ or more with 125V

Dimensions



* Specification is subject to change without notice