



【Feature】

RRS is a RTD that measures the surface temperature of a pipe by fixing the sensor to the pipe with an attached ring.

Used when the sensor cannot be inserted into the piping.

【Common Specifications】

Element : Pt100Ω resistance element

Wiring : 3-wire

Tolerance : Class B
 $\pm(0.3 + 0.005 | t |)$

Measuring current : 1mA

Number of element : Single

Insulation : 100MΩ or more with resistance 125V

【Ordering code】

RRS — — — —

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

Contents	Code	Specifications
Model	RRS	Ring type RTD for pipe surface temperature measurement
① Tolerance	B	JIS Class B Pt100Ω
② Temp. range	M	-20~+180℃
③ Number of elements	S	Single element
④ Protection tube dimensions	15	JIS15A, φ21.7mm, Thickness 0.8mm, Board width 10mm, Integrated type
	20	JIS20A, φ27.2mm, Thickness 0.8mm, Board width 10mm, Integrated type
	25	JIS25A, φ34.0mm, Thickness 0.8mm, Board width 10mm, Integrated type
	30	JIS30A, φ42.7mm, Thickness 0.8mm, Board width 10mm, Integrated type
	40	JIS40A, φ48.6mm, Thickness 0.8mm, Board width 10mm, Integrated type
	50	JIS50A, φ60.5mm, Thickness 0.8mm, Board width 10mm, Integrated type
	65	JIS65A, φ76.3mm, Thickness 0.8mm, Board width 10mm, Integrated type
	80	JIS80A, φ89.1mm, Thickness 0.8mm, Board width 10mm, Integrated type
	90	JIS90A, φ101.6mm, Thickness 0.8mm, Board width 10mm, Integrated type
	100	JIS100A, φ114.3mm, Thickness 0.8mm, Board width 10mm, Integrated type
	125	JIS125A, φ139.8mm, Thickness 0.8mm, Board width 10mm, Integrated type
	150	JIS150A, φ165.2mm, Thickness 0.8mm, Board width 12mm, Separate type
	175	JIS175A, φ190.7mm, Thickness 0.8mm, Board width 12mm, Separate type
	200	JIS200A, φ216.3mm, Thickness 0.8mm, Board width 12mm, Separate type
		<input type="checkbox"/> Please contact us for other than above
⑤ Ring material	UB	SUS304
⑥ Lead wire	SI	Silicon coating
⑦ Lead wire length	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Lead wire length (mm)
⑧ Special	N	Standard
	S	Special

* The above tolerance is the tolerance of a single element.

* After mounting the sensor on the piping, wrap a heat insulating material with a width of 100mm or more.

* The measured temperature is the piping surface temperature. Please note that it is different from the fluid temperature in the piping.

【Dimensions】

