RS3 [Sheathed Resistance Thermometer] Flange Type with Terminal Box



[Product Overview]

The RS3 is a flange-type sheathed resistance thermometer that can be used in a wide range of applications such as ducts and tanks.
The standard flange conforms to JIS, but JPI and ANSI flanges can also be manufactured.

[Standard Specifications]

Element	: Pt100 Ω resistance element
Lead wire system	: 3-wire
Tolerance	: Class A ±(0.15 + 0.002 |t|) Class B ±(0.3 + 0.005 |t|)
Measuring current	: 1 mA
Number of elements	: Single, Double
Insulation resistance	: 100 MΩ or more at 125 V

[Special Specifications]

◇ Built-in transmitter (DC4–20 mA output)
*Single element only
◇ Special flange available
◇ With Teflon tube
◇ Bent sheath

[Model Configuration]

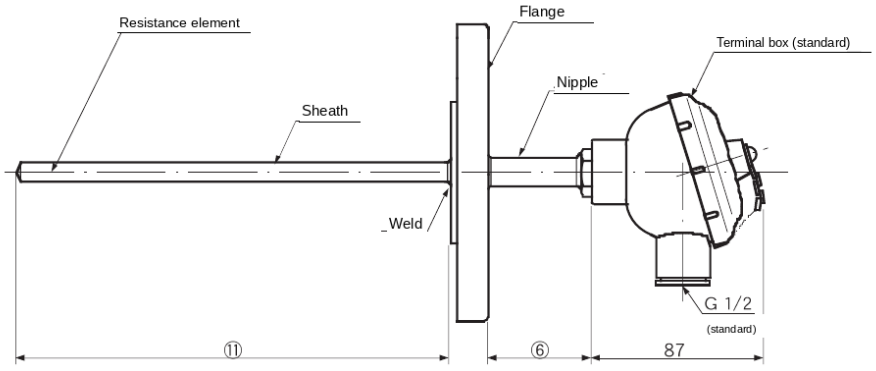
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Item	Code	Specification
Basic model	**RS3**	Sheathed resistance thermometer with terminal box, flange type
① Tolerance	**A**	JIS Class A Pt100 Ω
	B	JIS Class B Pt100 Ω
	JA	Old JIS Class A JPt100 Ω
	JB	Old JIS Class B JPt100 Ω
② Operating temperature	**L**	Low temperature (−196 to +100 ℃)
	M	Medium temperature (0 to +350 ℃)
	H	High temperature (0 to +500 ℃)
③ Number of elements	**S**	Single element
	D	Double element
④ Terminal box	**N**	Standard type, die-cast aluminum (drip-proof)
	F	Special type, phenolic resin (drip-proof)
	T	Two-port type (2 directions), cast aluminum (drip-proof)
	W	Two-port type (same direction), cast aluminum (drip-proof)
	K	Small type, die-cast aluminum (drip-proof)
⑤ Sheath outer diameter	**E**	φ3.2 mm (SUS316) *Single element only
	F	φ4.8 mm (SUS316)
	G	φ6.4 mm (SUS316)
	H	φ8.0 mm (SUS316)
⑥ Nipple	**5**	50 mm (φ12 mm, SUS304)
	6	100 mm (φ12 mm, SUS304)
	7	150 mm (φ12 mm, SUS304)
	8	50 mm (φ21.7 mm, SUS304)
	9	100 mm (φ21.7 mm, SUS304)
	10	150 mm (φ21.7 mm, SUS304)
⑦ Flange nominal pressure	**05**	JIS 5K
	10	JIS 10K
	20	JIS 20K
	40	JIS 40K
	□□	Other nominal pressure
⑧ Flange face	**R**	RF (raised face)
	F	FF (flat face)
⑨ Flange nominal diameter	**15**	15A
	20	20A
	25	25A
	40	40A
	□□	Other nominal diameter
⑩ Flange material	**UB**	SUS304
	UC	SUS316
	Z	Other material
⑪ Insertion length	□□□	Length below the flange (mm)
⑫ Special notes	**N**	Standard
	S	Specify special specifications

* A resistance element is located at the tip of the sheath. Do not bend the sheath within 100 mm of the tip.
* The minimum bending radius must be at least 5 times the sheath outer diameter.

[Outline Drawing]



● For protection-tube type, see the product specification sheet for "R03".