RS1 [Sheath RTD] Straight type with Terminal

【Features】

RS1 is a sheath resistance temperature detector with the simplest shape for a terminal box. By combining with loose flange (LFL) and compression fitting (CFG), it can be used for temperature measurement of ducts and tanks as an insertion type with adjustable sheath length.

【Standard Specifications】

Element : Pt100Ω Resistance element
Wiring : 3-wire
Tolerance : Class A
±(0.15+0.002 | t |)℃
Class B
±(0.3+0.005 | t |)℃
Measuring Current : 1mA
Noumber of element : Single, Double
Insulation resistance : 100MΩ or more with 125V

【Option】

◇Loose flange (LFL)
◇Compression fitting (CFG)

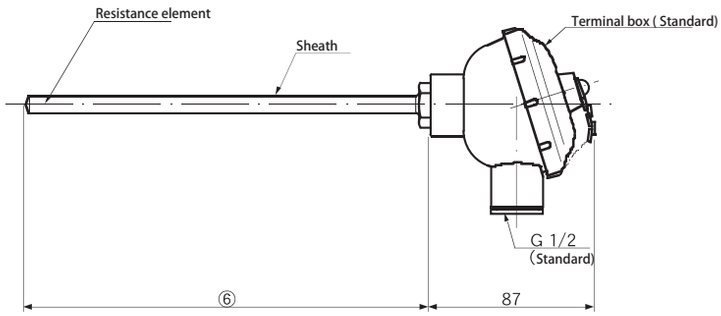
【Ordering code】

RS1 – ① ② ③ ④ – ⑤ – ⑥ – ⑦

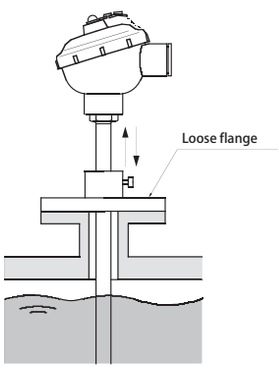
Item	Code	Specifications
Model code	RS1	Sheath RTD Straight type with Terminal
① Tolerance	A	JIS Class A Pt100Ω
	B	JIS Class B Pt100Ω
	JA	Old JIS Class A JPt100Ω
	JB	Old JIS Class B JPt100Ω
② Temperature range	L	−196～+100℃
	M	0～+350℃
	H	0～+500℃
③ Number of Element	S	Single Element
	D	Double Element
④ Connection head	N	Standard type : Die-cast aluminum (Weather proof)
	F	Special : Phenol resin (Weather proof)
	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 Sheath Diameter	E	φ3.2㎜ (SUS316) ※Single element only
	F	φ4.8㎜ (SUS316)
	G	φ6.4㎜ (SUS316)
	H	φ8.0㎜ (SUS316)
⑥ Immersion Length	□□□	Immersion length below terminal box (mm)
⑦ Special	N	Standard
	S	Please inform special specifications

* Since the sheath tip contains a resistance element, do not bend it within 100 mm from the tip.
* The minimum bending radius should be at least 5 times the outer diameter of the sheath.

【Dimensions】



【Application example】



When changing the depth of the measurement position on a trial basis or adjusting the depth on site, use it in combination with the optional loose flange. However, loose flanges and loose screws are not airtight.
Also, please note that the compression fitting has some airtightness, but once tightened, the position cannot be changed.