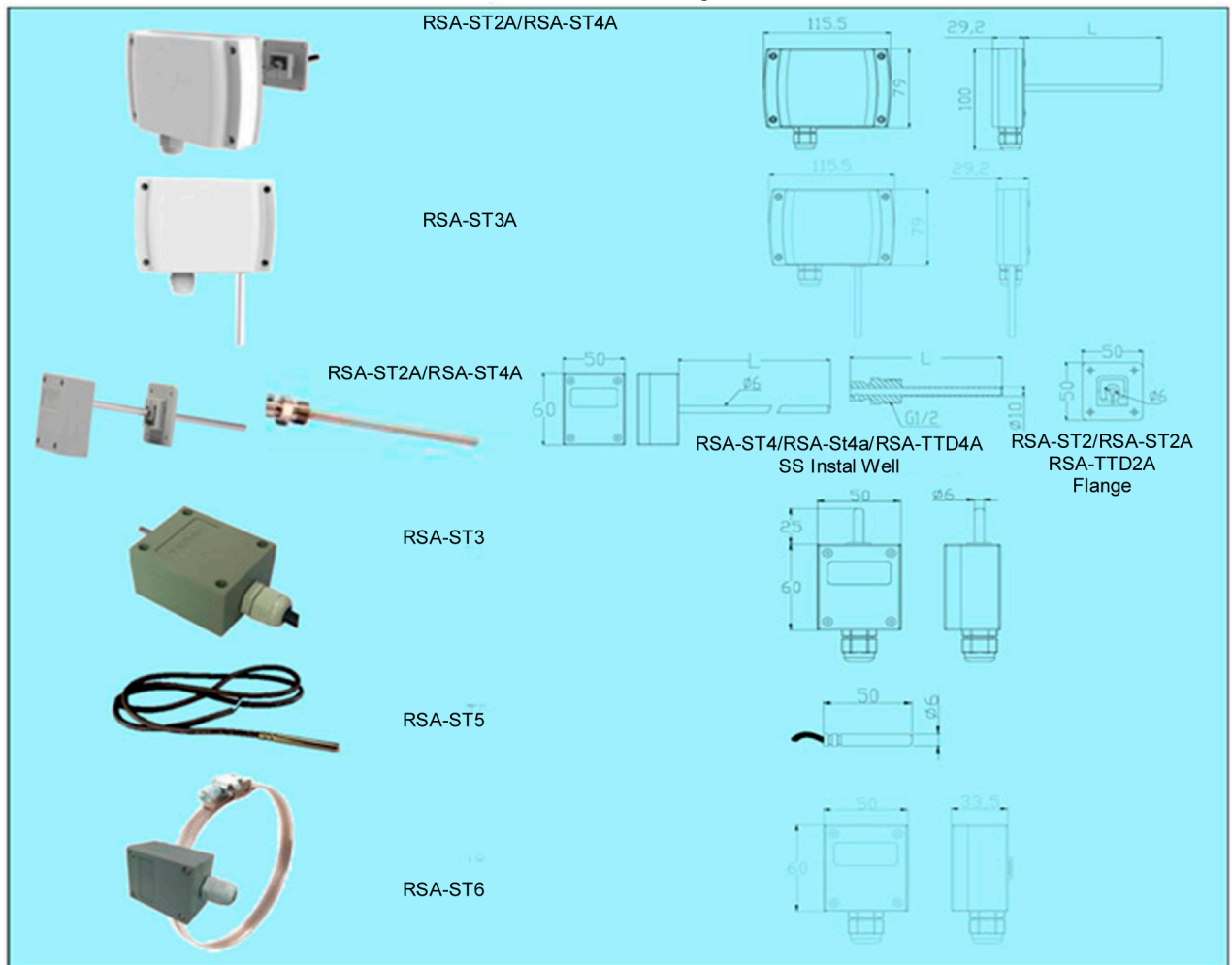


RSA-ST2,3,4,5,6, RSA-ST2,3,4N Series Temperature Sensor



Applications & Features

- Used for temperature measurement in duct air(T2/T2N), water and steam pipe(RSA-ST4/RSA-ST4A) , outside air(RSA-ST3/RSA-ST3A) and insert / stick(RSA-ST5), strap-on(RSA-ST6) models
- High performance thermistor & RTD, ensure accurate temperature measurement and long term stability
- Light and state of art housing, easy installation
- Multiple thermistor & RTD outputs selection
- Wide temperature range and fast response
- High protection rate up to IP65

Specifications

Sensor: High accuracy thermistor or RTD, see models

Output: thermistor or RTD, see models and resistance table

Accuracy: typical $\pm 0.2 \sim 0.4^{\circ}\text{C}@25^{\circ}\text{C}$, see models

Wiring: 2 wires or 3 wires (RTD)

(3 wires connection could obtain better accuracy)

Work Temp.(Whole product): $-40 \sim 70^{\circ}\text{C}$, $0 \sim 95\%\text{RH}$ (Non cond.)

Medium Temperature (Probe): $-40 \sim 100^{\circ}\text{C}$

Storage Temperature: $-30 \sim 70^{\circ}\text{C}$

Housing: fireproof ABS, SS probe ($\phi 6\text{mm}$), SS Well

Cable (RSA-ST5A): Black, silicone, $2^{\circ}0.3\text{mm}^2$, 1m length, -
 $60 \sim 180^{\circ}\text{C}$, $R_{\text{conductor}} = 0.069\Omega/\text{m}$, $R_{\text{insulation}} > 100\text{M}\Omega$ (25°C)

Hose clamp (T6): stainless steel, diameter 15~150mm

Protection: IP65(IP68 for RSA-ST5A, 1m water depth)

Weight: RSA-ST2A:76g;T3:80g;T4:291g;T5:36g; T6:120g

Approval: CE

Models			
Model	RSA-ST2A / RSA-ST2A RSA-ST3A / RSA-ST3A RSA-ST4 / RSA-ST4A RSA-ST5 RSA-ST6		Duct mount temperature sensor Outside air temperature sensor Immersion temperature sensor Cable temperature sensor Strap-on temperature sensor
Thermistor or RTD		3 4 5 6 7 9 A	PT1000, $\pm 0.2^{\circ}\text{C}@25^{\circ}\text{C}$ PT100, $\pm 0.2^{\circ}\text{C}@25^{\circ}\text{C}$ NTC20K, $\pm 0.4^{\circ}\text{C}@25^{\circ}\text{C}$ Ni 1000, $\pm 0.4^{\circ}\text{C}@25^{\circ}\text{C}$ NTC10K-II, $\pm 0.4^{\circ}\text{C}@25^{\circ}\text{C}$ NTC10K-III, $\pm 0.4^{\circ}\text{C}@25^{\circ}\text{C}$ NTC10K-A, $\pm 0.4^{\circ}\text{C}@25^{\circ}\text{C}$
Length (T2/T2N/ T4/T4N)		0 1 2 7	75mm 125mm 200mm Others

1. See resistance table on page 1 of this catalog.

2. The standard cable of T5 is 1m. It can be ordered for other length of integer meters, such as T53-2, which means the cable length is 2 m.

RSA-ST4/RSA-ST4A/RSA-ST4A/RSA-TTD4A Install Well

Model	A-T	Stainless Steel Well
Probe Length	0 1 2	75mm 125mm 200mm