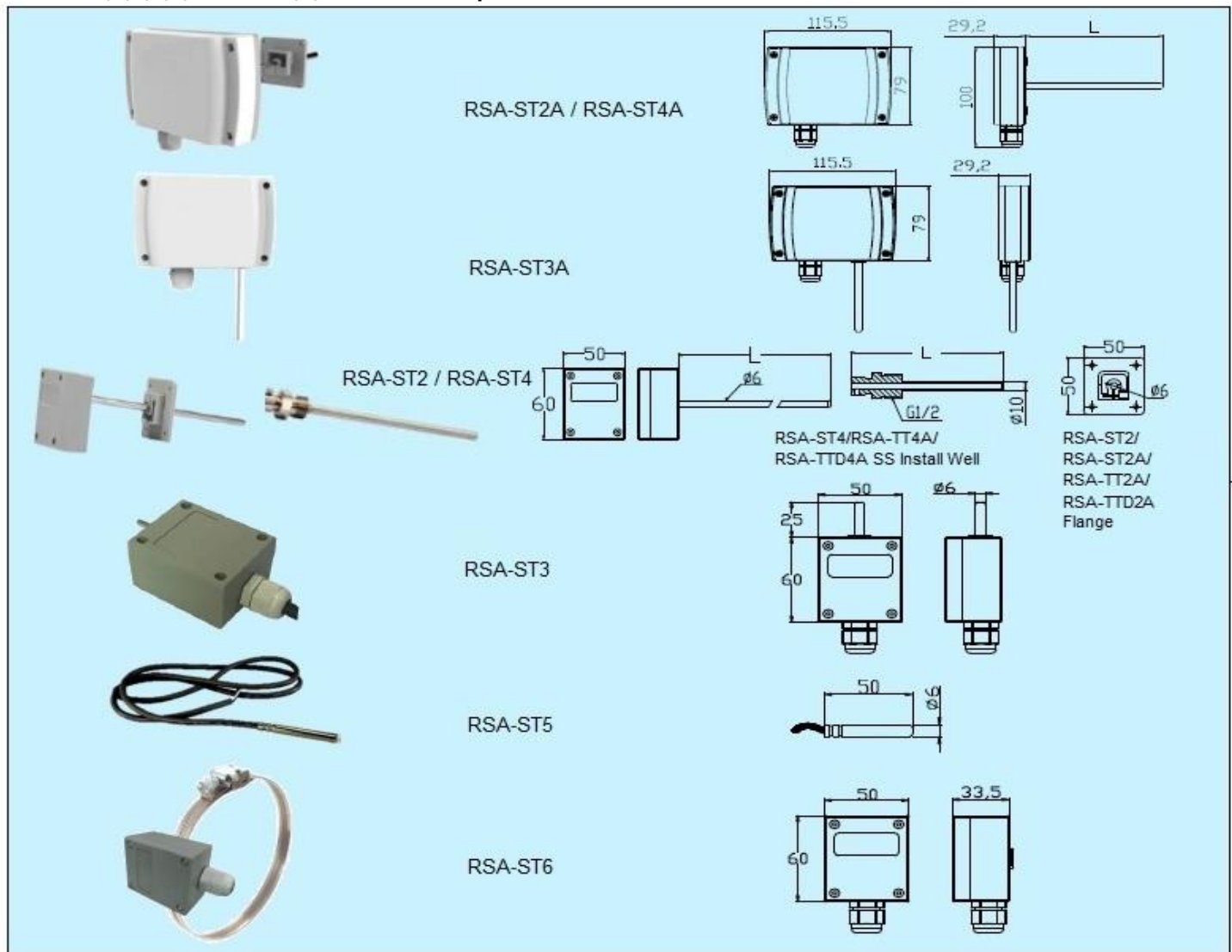


RSA-ST2,3,4,5,6, RSA-ST2,3,4A Series Temperature Sensor



Aplicações e recursos

- Used for temperature measurement in duct air(RSA-ST2/RSA-ST2A), 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 $\pm 0.2-0.4^{\circ}\text{C}@25^{\circ}\text{C}$, see models

Wiring: 2 wires or 3 wires (RTD)

(3 wires connection could obtain better accuracy) **Work**

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

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

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

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

Cable (RSA-ST5): Black, silicone, $2 \times 0.3\text{mm}^2$, 1m length, $-60-180^{\circ}\text{C}$, $R_{\text{conductor}}=0.069\Omega/\text{m}$, $R_{\text{insulation}} > 100\text{M}\Omega$ (25°C)

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

Protection: IP65(IP68 for T5, 1m water depth)

Weight: RSA-ST2:76g; RSA-ST3:80g; RSA-ST4:291g; RSA-ST5:36g; RSA-ST6:120g
T2N:122g; T3N:160g; T4N:330g

Approval: CE

Models

Model	RSA-ST2 / RSA-ST2A		Sensor de temperatura para Duto
	RSA-ST3 / RSA-ST3A		Sensor de temperatura Externo
	RSA-ST4 / RSA-ST4A		Sensor de temperatura Imersão
	RSA-ST5		Sensor de temperatura Cabo
	RSA-ST6		Sensor de temperatura Abraçadeira
Thermistor or RTD		3	PT1000, $\pm 0.2^{\circ}\text{C}@25^{\circ}\text{C}$
		4	PT100, $\pm 0.2^{\circ}\text{C}@25^{\circ}\text{C}$
		5	NTC20K, $\pm 0.4^{\circ}\text{C}@25^{\circ}\text{C}$
		6	Ni 1000, $\pm 0.4^{\circ}\text{C}@25^{\circ}\text{C}$
		7	NTC10K-II, $\pm 0.4^{\circ}\text{C}@25^{\circ}\text{C}$
		9	NTC10K-III, $\pm 0.4^{\circ}\text{C}@25^{\circ}\text{C}$
		A	NTC10K-A, $\pm 0.4^{\circ}\text{C}@25^{\circ}\text{C}$
RSA-ST2 RSA-ST2A RSA-ST4 RSA-ST4A		0	75mm
		1	125mm
		2	200mm
		7	Others

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

2. The standard cable of RSA-ST5 is 1m. It can be ordered for other length of integer meters, such as RSA-ST53-2, which means the cable length is 2 m.

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