Senergy Sensors & Controls



Product Data

SAP-T100 Series SAP-T1k Series

Transmitters **Senergy Sensors & Controls** 800-893-4846 (Phone) 800-797-0806 (Fax) www.senergycontrols.com

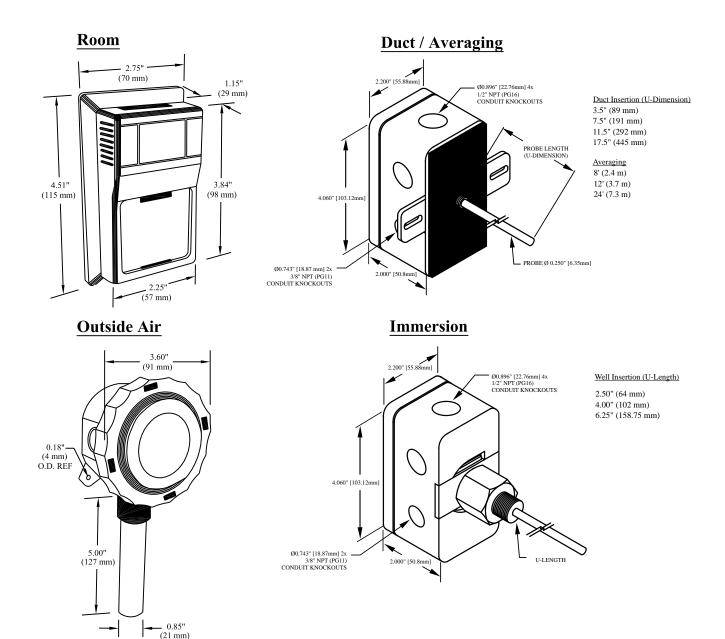
Superior Accuracy & Performance (SAP®)

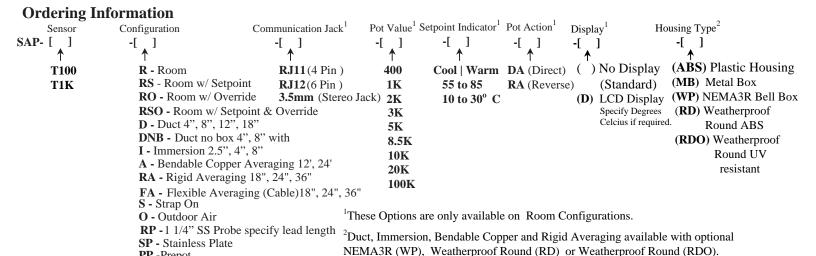
Senergy manufactures SAP sensors & transmitters for superior accuracy and perfomance. A Class A, thin film Platinum RTD is at the heart of of every Senergy Transmitter/RTD (single point). With most of the industry using a 2 wire Class B RTD as a standard, Senergy is clearly shattering the industry standard for accuracy and performance with a Class A RTD coupled with a Transmitter producing a linear output with precision accuracy. With rising energy costs, industry standards are no longer acceptable. Senergy Sensors and Controls is setting new performance standards for HVAC RTD's and Transmitters. Higher accuracy constants and better stability means more accurate temperature sensing. This exceptional accuracy combined with finely tuned PID loops means less over and under shooting and ultimately translates into substantial energy savings. NIST Traceable Certification is available as an option for projects that require supporting documentation. Senergy Sensors are only available through premier System Integrators and Control Contractors.

Senergy Sensors and Controls is concerned with saving energy in your facility, as well as preserving our planet. Senergy has "stepped up" and outside the box in manufacturing in an effort to reduce the carbon footprint each and every sensor leaves on the planet. The true cost of a sensor must include; initial acquisition cost, long term energy waste due to sensor inaccuracies, as well as the fuel & emissions from packaging & transportation getting the sensors from production to their final destination. Senergy is setting new standards in accuracy and utilizing new, lighter weight materials in the production of its sensors in an effort to minimize fuel and emissions from transportation to the installation site. Senergy's packaging is sensitive to the environment including recycled boxes and biodegradeable packing material.

Product Specifications

Transmitter Supply Voltage	8 to 35 VDC, No Polarity Sensitivity
	249 Ohm Load: +12 to 35VDC
	499 Ohm Load: +17 to 35VDC
Temp. Transmitter Input	2-wire Platinum 100/1K Ohm Class A RTD
Temp. Transmitter Output	2-wire, Linear 4 to 20mA DC Current (Std.)
	1 to 5 VDC or 2 to 10VDC
Temp. Transmitter Accuracy	Specified by customer to +/-0.5°F
NIST Certification Option available	
Temp. Sensor Operating Range	
Single Point	-58 to 392°F (-50 to 200°C)
Averaging	-50 to 275°F (-45.5 to 135°C)
Transmitter Operating Temp. Range	32 to 158°F (0 to 70°C)





Strap-On Sensors are available with an optional Weatherproof (RDO) enclosure

PP -Prepot

BBS - Brass Button Sensor SBS - Stainless Button Sensor

PO - Probe Only 2.5", 4", 6", 8", 12", 18"