

HIGH ACCURACY RIGID DUCT AVERAGE TEMPERATURE SENSOR HATSDR Series

The high accuracy multi-point rigid duct average temperature sensor utilizes several precision sensors spaced at equal distances and encapsulated in 6 mm (0.236") OD, 304 series stainless steel probe and is available in various lengths (see ordering chart). All probes provide excellent heat transfer, fast response and resistance to moisture penetration.

SPECIFICATION:

	Various Thermistors or RTD		
Sensor Accuracy	RTD Class A: ±0.15°C @ 0°C		
	RTD 1/3 DIN: ±0.1°C @ 0°C		
	RTD 1/10 DIN: ±0.03°C @ 0°C		
	NTC Thermistor Type 39: ± 0.05 °C, 0 to 70°C		
	NTC Thermistor Type 55: ± 0.03 °C, 0 to 70°C		
	NTC Thermistor Type 40/46: ± 0.1 °C, 0 to 70°C		
Probe Sensing Range	20 to 60°C (-4 to 140°F)		
Ambient Operating Range.	40 to 50°C (-40 to 122°F)		
	PVC Insulated, parallel bonded, 22 AWG		
Probe Material	304 Series Stainless Steel		
Probe Diameter	6 mm (0.236")		
Standard Lengths	450, 600, 900 mm		
	(18", 24", 36")		
Enclosure	ABS - UL94-V0, IP65 (NEMA4X)		
	C - includes terminal block		
	E - includes tread adapter (1/2" NPT to M16),		
	cable gland fitting, and terminal block		
TerminationA - pigtail, 2 or 3 wire			
	C & E - terminal block, 2 or 3 wire		
Country of Origin	Canada		

TYPICAL INSTALLATION:

For complete installation and wiring details, please refer to the product installation instructions.

The rigid duct average type probes are installed in the side of the duct to monitor an average temperature within the duct. Select a probe length that allows the probe to span the duct width. Install the probe in a straight section of duct at a suitable distance downstream from any heating, cooling or humidification devices.

Each enclosure style provides mounting tabs on the outside of the enclosure for ease of installation.

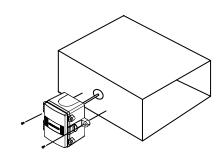


PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

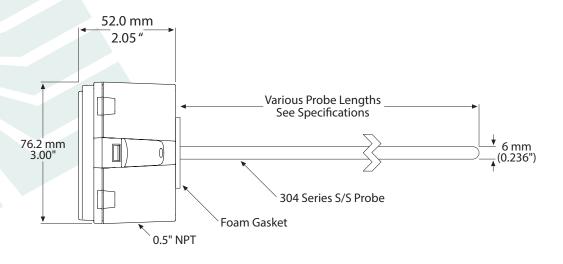
PRODUCT SELECTION INFORMATION:						
MODE	Product	duct Description				
HATSD	R High Acc	High Accuracy Rigid Duct Average Temperature Sensor				
	CODE	Enclosure				
1	A C E	Same as A	h hinged & gasketed cover A, with terminal block C, with thread adapter & cable gland fitting			
	CODE Sensor					
		18 41 49 50 39 55 40 46	1000 Ω Platinum, IEC 751, 385 Alpha, thin film, Class A 1000 Ω , Platinum, 3 wire, IEC 751, 385 Alpha, thin film, Class A 1000 Ω , Platinum, 3 wire, IEC 751, 385 Alpha, thin film, 1/3 DIN 1000 Ω Platinum, 3 wire, IEC 751, 385 Alpha, thin film, 1/10 DIN 10,000 Ω Type 2, NTC Thermistor, $\pm 0.05^{\circ}$ C 10,000 Ω , Type 2, NTC Thermistor, $\pm 0.03^{\circ}$ C 10,000 Ω , Type 3, NTC Thermistor, $\pm 0.1^{\circ}$ C 20,000 Ω , NTC Thermistor, $\pm 0.1^{\circ}$ C			
			CODE	Probe Length		
			F G H	450 mm (18") 600 mm (24") 900 mm (36")		
	*	*	*			

 $Greystone\ Energy\ Systems, Inc.\ reserves\ the\ right\ to\ make\ design\ modifications\ without\ prior\ notice.$

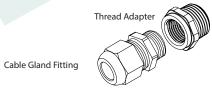








Included with E style enclosure





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Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC/R sensors and transmitters for Building Automation Management Systems.

We have conscientiously established a worldwide reputation as an industry leader by maintaining leadingedge design technology, prompt technical support, and a commitment to on-time deliveries. We take pride in our Quality Management System which is ISO 9001 certified, assuring our customers of consistent product reliability.