



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:

Sensor Type Various Thermistors or RTD
 Sensor Accuracy **RTD Class A:** $\pm 0.15^{\circ}\text{C}$ @ 0°C
 RTD 1/3 DIN: $\pm 0.1^{\circ}\text{C}$ @ 0°C
 RTD 1/10 DIN: $\pm 0.03^{\circ}\text{C}$ @ 0°C
 NTC Thermistor Type 39: $\pm 0.05^{\circ}\text{C}$, 0 to 70°C
 NTC Thermistor Type 55: $\pm 0.03^{\circ}\text{C}$, 0 to 70°C
 NTC Thermistor Type 40/46: $\pm 0.1^{\circ}\text{C}$, 0 to 70°C
 Temperature Range... -20 to 60°C (-4 to 140°F)
 Wire Material 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
 Termination A - 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:

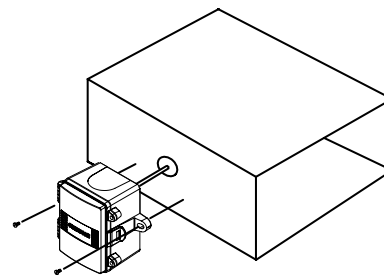
MODEL	Product Description
HATSDR	High Accuracy Rigid Duct Average Temperature Sensor

CODE	Enclosure
A	ABS, with hinged & gasketed cover
C	Same as A, with terminal block
E	Same as C, with thread adapter & cable gland fitting

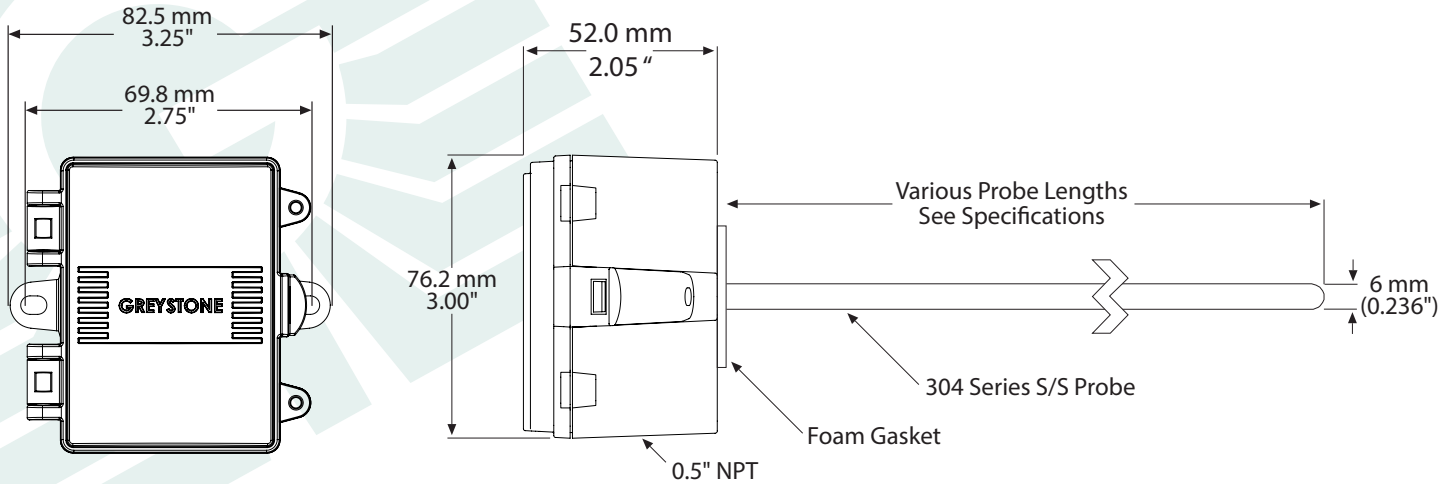
CODE	Sensor
18	1000 Ω Platinum, IEC 751, 385 Alpha, thin film, Class A
48	1000 Ω Platinum, 2 wire, IEC 751, 385 Alpha, thin film, 1/3 DIN
22	1000 Ω , Platinum, 2 wire, IEC 751, 385 Alpha, thin film, 1/10 DIN
41	1000 Ω , Platinum, 3 wire, IEC 751, 385 Alpha, thin film, Class A
49	1000 Ω , Platinum, 3 wire, IEC 751, 385 Alpha, thin film, 1/3 DIN
50	1000 Ω Platinum, 3 wire, IEC 751, 385 Alpha, thin film, 1/10 DIN
39	10,000 Ω Type 2, NTC Thermistor, $\pm 0.05^{\circ}\text{C}$
55	10,000 Ω , Type 2, NTC Thermistor, $\pm 0.03^{\circ}\text{C}$
40	10,000 Ω , Type 3, NTC Thermistor, $\pm 0.1^{\circ}\text{C}$
46	20,000 Ω , NTC Thermistor, $\pm 0.1^{\circ}\text{C}$

CODE	Probe Length
F	450 mm (18")
G	600 mm (24")
H	900 mm (36")

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



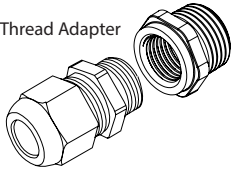
DIMENSIONS:



Included with E style enclosure

Thread Adapter

Cable Gland Fitting



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RoHS
COMPLIANT



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 leading-edge 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.

GREYSTONE HAS AN **ISO 9001** REGISTERED QUALITY SYSTEM