

The high accuracy multi point rigid duct average temperature transmitter incorporates numerous precision platinum RTD's at equal distances encapsulated in a 6.00 mm (0.236") OD, 304 series stainless steel probe and is available in various lengths. All probes provide excellent heat transfer, fast response and resist moisture penetration. A transmitter that provides a high accuracy signal with excellent long term stability, low hysteresis and fast response is available with various ranges.

SPECIFICATION:

Sensor Type.....1000 ohm Platinum 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
 Probe Sensing Range-20 to 60°C (-4 to 140°F)
 Wire Material.....PVC insulated, parallel bonded, 22AWG
 Probe Material.....304 Series Stainless Steel
 Probe Diameter6 mm (0.236")
 Standard Lengths.....300, 450, 600, 900 mm
 (12', 18', 24', 36")
 Output Signal.....4-20mA current loop, 0-5 Vdc, or 0-10 Vdc
 (factory configured)
 Transmitter Accuracy.....±0.1% of span, including linearity
 4-20 mA loop power supply.....15-35 Vdc or 22-32 Vac
 Minimum Loop Current.....2 mA nominal (occurs with shorted sensor)
 Maximum Loop Current.....22.5 mA nominal (occurs with open sensor)
 Maximum Loop Load>600 ohms
 0-5 Vdc Power Supply.....10-35 Vdc or 10-32 Vac
 0-10 Vdc Power Supply.....15-35 Vdc or 15-32 Vac
 Maximum Current (Voltage).....5 mA nominal
 Maximum Output (Voltage).....limited to <5.5 Vdc for 0-5 Vdc, <10.5 for 0-10 Vdc
 Input Voltage Effect.....Negligible over specified operating range
 Protection Circuitry.....Reverse voltage protected and output limited
 Ambient Operating Range.....0 to 50°C (32 to 122°F), 0 to 95% RH non-condensing
 Enclosure.....ABS - UL94-V0, IP65 (NEMA4X)
 E - includes thread adapter (1/2" NPT to M16),
 and cable gland fitting
 Wiring Connections.....Screw terminal block (14 to 22 AWG)
 Country of Origin.....Canada

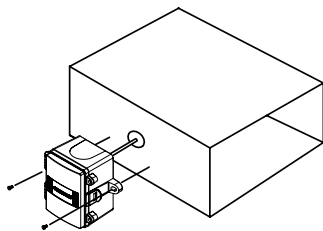
*This product is factory calibrated and any field adjustment will void the warranty.

TYPICAL INSTALLATION:

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

The duct type probes are installed through a hole in the side of the duct to monitor a single point temperature within the duct. Since the probes are tip sensitive, select a probe length that places the sensor well into the duct. Install the probe in a straight section of duct at a suitable distance downstream from any heating, cooling or humidification devices.

The enclosure provides mounting tabs for ease of installation.



PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
HATXDR	High Accuracy Rigid Duct Average Temperature Transmitter

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

CODE	Sensor
18	1000 Ω, Platinum, 2 wire, 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

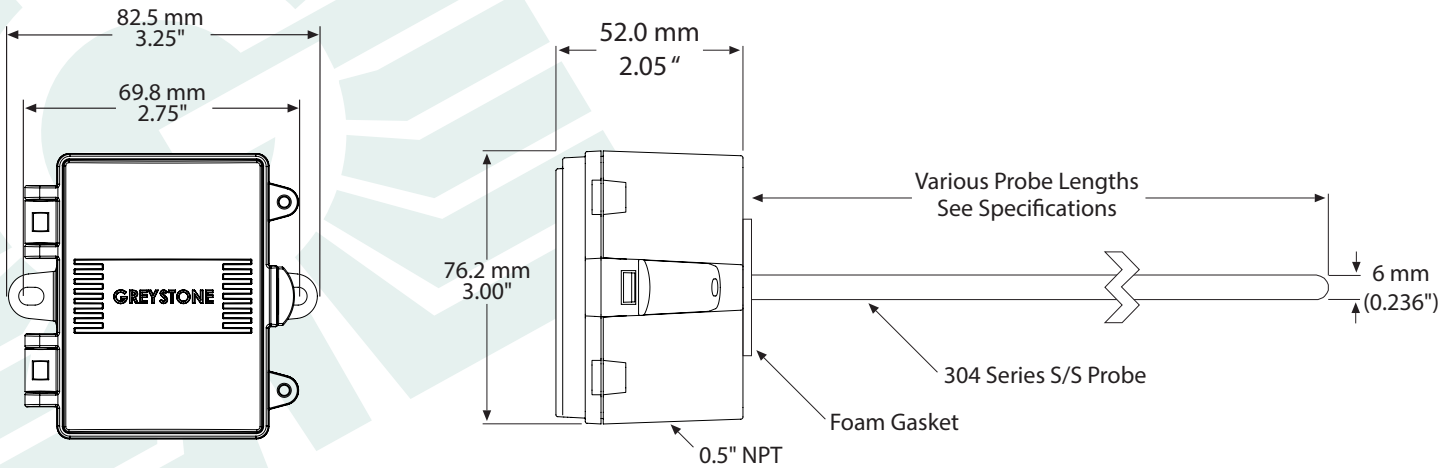
CODE	Probe Length
E	300 mm (12")
F	450 mm (18")
G	600 mm (24")
H	900 mm (36")

CODE	Output
A	4-20 mA
D	0-5 Vdc
E	0-10 Vdc

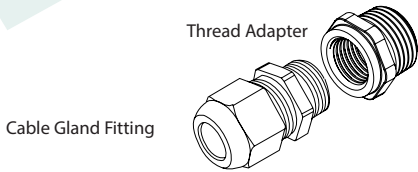
CODE	Scaled Range
001	0 to 35°C (32 to 95°F)
002	0 to 50°C (32 to 122°F)
006	-50 to 50°C (-58 to 122°F)
*	Custom Ranges Available

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

DIMENSIONS:



Included with E style enclosure



GREYSTONE

ENERGY SYSTEMS INC

Greystone Energy Systems, Inc.

150 English Drive, Moncton,
New Brunswick, Canada E1E 4G7

(506) 853-3057 Fax: (506) 853-6014

North America: 1-800-561-5611

e-mail: mail@greystoneenergy.com

www.greystoneenergy.com

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