

HIGH ACCURACY STRAP-ON TEMPERATURE TRANSMITTER HATXRP Series

The high accuracy single point strap-on temperature transmitter incorporates a precision platinum RTD encapsulated in a 6 mm (0.236") OD, 304 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
- Temperature Range..... -20 to 105°C (-4 to 221°F)
- Probe Sensing Range..... -20 to 105°C (-4 to 221°F)
- Wire Material..... PVC insulated, parallel bonded, 22 AWG
- Wire Length..... 1.524 m (5')
- Probe Material 304 Series Stainless Steel
- Probe Diameter..... 6 mm (0.236")
- Standard Lengths..... 50, 100, 150, 200, 300, 450 mm
(2", 4", 6", 8", 12", 18")
- 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.

For best results, thermal conductive compound should be applied to pipe prior to mounting the probe.

Find a suitable location along the pipe where both the probe and remote enclosure can be mounted. If necessary, remove a section of insulation from pipe. Position probe directly on the pipe and secure using a pipe clamp. For added security, make 1 to 3 loops of the sensor cable around the pipe and feed through wire hole on the enclosure and secure using the supplied grommet. If applicable, the pipe insulation can be re-applied to the pipe over the probe.

PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
HATXRP	High Accuracy Flexible Cable Duct Average Temperature Transmitter

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

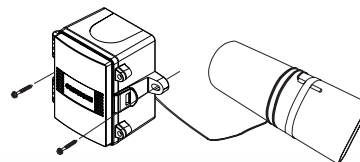
CODE	Sensor
18	1000 Ω, Platinum, 2 wire, IEC 751, 385 Alpha, thin film Class A
48	1000 Ω, Platinum, 2 wire, IEC 751, 385 Alpha, thin film 1/3 DIN
22	1000 Ω, Platinum, 2 wire IEC 751, 385 Alpha, thin film, 1/10 DIN

CODE	Probe Length
A2	50 mm (2")
B2	100 mm (4")
C2	150 mm (6")
D2	200 mm (8")
E2	300 mm (12")
F2	450 mm (18")

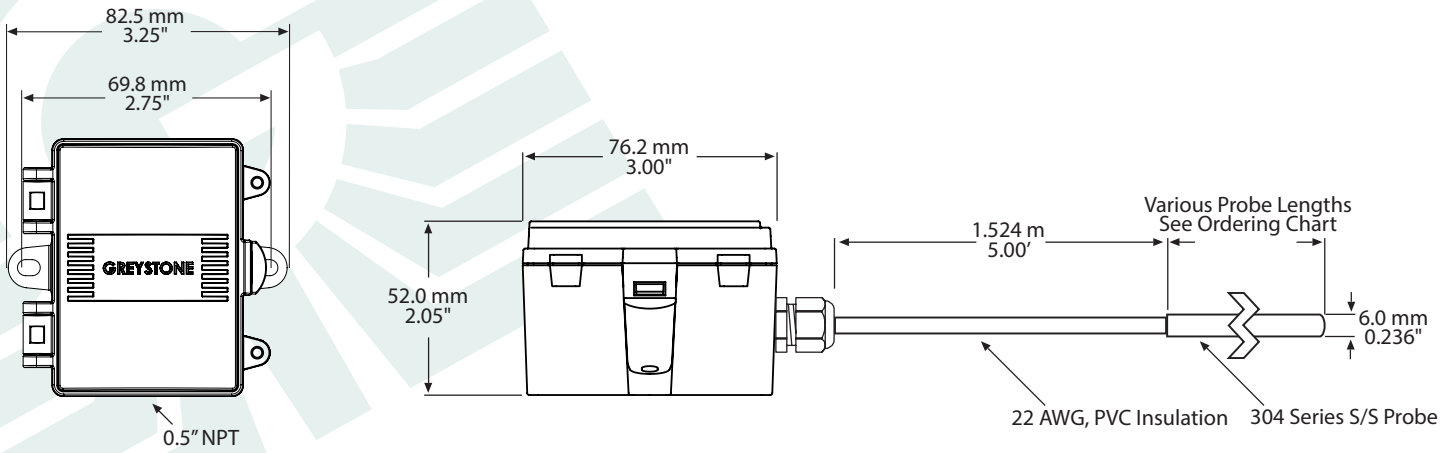
CODE	Output
A	4-20 mA
D	0-5 Vdc
E	0-10 Vdc

CODE	Scaled Range
001	0 to 35°C (32 to 95°F)
002	0 to 50°C (32 to 122°F)
003	0 to 100°C (32 to 212°F)
*	Custom ranges available

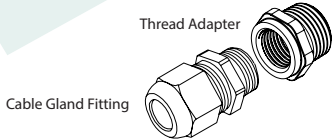
Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.



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