

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 AccuracyRTD 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 Range20 to 105°C (-4 to 221°F) |
| Probe Sensing Range20 to 105°C (-4 to 221°F) |
| Wire MaterialPVC insulated, parallel bonded, 22 AWG |
| Wire Length 1.524 m (5') |
| Probe Material |
| Probe Diameter6 mm (0.236") |
| Standard Lengths50, 100, 150, 200, 300, 450 mm |
| (2", 4", 6", 8", 12", 18") |
| Output Signal4-20mA current loop, 0-5 Vdc, or 0-10 Vdc |
| (factory configured) |
| Transmitter Accuracy±0.125% 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 CircuitryReverse voltage protected and output limited |
| Ambient Opertaing Range 0 to 50°C (32 to 122°F), 0 to 95% RH non-condensing |
| EnclosureABS - UL94-V0, IP65 (NEMA4X) |
| E - includes thread adapter (1/2" NPT to M16), |
| and cable gland fitting |
| Wiring ConnectionsScrew terminal block (14 to 22 AWG) |
| Country of OriginCanada |

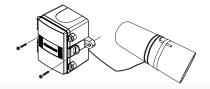
^{*}This product is factory calibrated and any field adjustment will void the warranty.

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 |
|--|------|-------------------------------------------------------------------------------------------|
| | | ABS, with hinged & gasketed cover 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 |
| 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 |
| | |

| 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 Out and | | |
| | CODE Output | | |

| .0 | DE | Output | |
|----------|----|--------------------------------|----------------------------------------------------------------------------------------------------------|
| <i>[</i> |) | 4-20 mA 0-5 Vdc 0-10 Vdc | |
| | | CODE | Scaled Range |
| | | 001 002 003 * | 0 to 35°C (32 to 95°F) 0 to 50°C (32 to 122°F) 0 to 100°C (32 to 212°F) Custom ranges available |
| 1 | , | — | |

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









Included with E style enclosure



Greystone Energy Systems Inc. is one of North America's

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