



HIGH ACCURACY STRAP-ON TEMPERATURE SENSOR HATSRP Series

The high accuracy single point strap-on temperature sensor utilizes a precision sensor encapsulated in a 6 mm (0.236") OD, 304 stainless steel probe and is available in various lengths (see ordering chart). Standard wire length is 1.5 m (5'). All probes are constructed to provide excellent heat transfer, fast response and are potted to resist 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

Probe Sensing Range..... -20 to 105°C (-4 to 221°F)
 Ambient Operating Range... -40 to 50°C (-40 to 122°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")
 Enclosure..... ABS - UL94-V0, IP65 (NEMA4X)
 C - includes terminal block
 E - includes thread 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.

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:

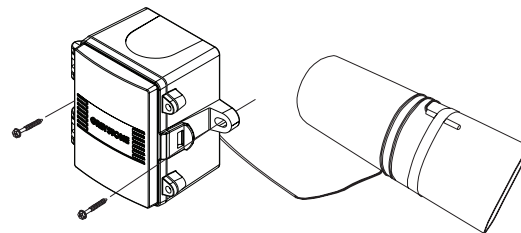
MODEL	Product Description
HATSRP	High Accuracy Remote Probe Strap-on Temperature Sensor

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

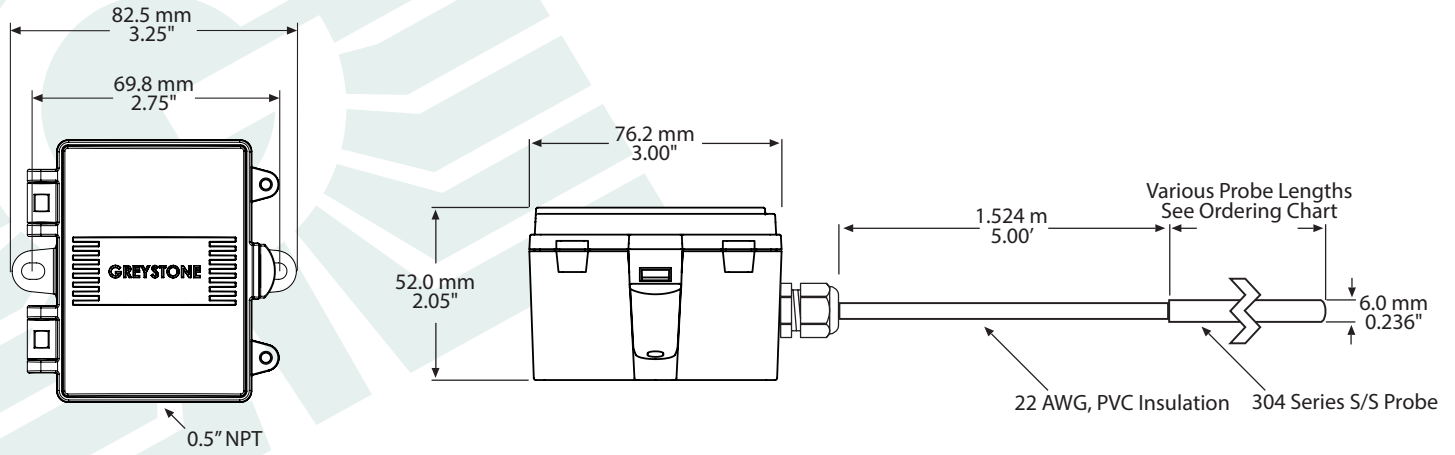
CODE	Sensor
18	1000 Ω Platinum, IEC 751, 385 Alpha, thin film, Class A
41	1000 Ω , Platinum, 3 wire, IEC 751, 385 Alpha, thin film, Class A
49	1000 Ω , Platinum, 3 wire, IEC 751, 385 Alpha, thin film, 1/3 DIN
50	1000 Ω Platinum, 3 wire, IEC 751, 385 Alpha, thin film, 1/10 DIN
39	10,000 Ω Type 2, NTC 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
A	50 mm (2")
B	100 mm (4")

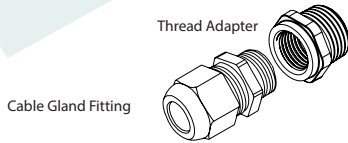
Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.



DIMENSIONS:



Included with E style enclosure



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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