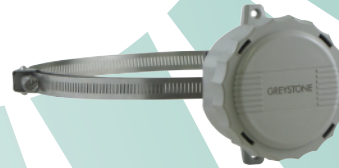




**HIGH ACCURACY
STRAP-ON
TEMPERATURE
TRANSMITTER
HATXSO Series**

The HATXSO single point strap-on temperature transmitter has a high accuracy platinum RTD bonded to a 1.5" x 1.5" Aluminum plate and adhered to a 1" compressible foam. A 25.4 cm (10") S/S Pipe clamp is provided to secure the assembly to various sizes of pipes. All probes are constructed to provide excellent heat transfer, fast response and are potted to 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. (See ordering chart).



SPECIFICATION:

- Sensor..... 1000 ohm Platinum RTD
- 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 105°C (-4 to 221°F)
- Wire Material..... PVC insulated, parallel bonded
- Probe Material..... Aluminum plate
w/ compressible foam backing
- Probe Dimension..... 38.1 mm (1.5") Square
- Pipe-strap..... 25.4 cm (10") Stainless steel
- Output Signal..... 4-20mA 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 Current Loop 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
- RFI rejection..... Good RFI rejection of normal
frequencies
- Protection Circuitry..... Reverse voltage protected and
output limited
- Ambient Operating Range..... -40 - 85°C (-40 - 185°F), 0-95% RH
non-condensing
- Enclosure..... (E)-ABS, UL94-5VB, IP65 (NEMA 4X)
(P)- PVC, IP65 (NEMA 4X)
- Wiring Connections..... Screw terminal block
(14 to 22 AWG)

PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
HATXSO	High Accuracy Strap-on Temperature Transmitter

CODE	Enclosure
E	Round ABS, with gasket cover
P	PVC Weatherproof

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	Output
A	4-20 mA
C	0-5 Vdc
E	0-10 Vdc

CODE	Scaled Range
1	0-35°C (32-95°F)
2	0-50°C (32-122°F)
3	0-100°C (32-212°F)
*	Custom ranges available

***CUSTOM SCALED TEMPERATURE RANGE**

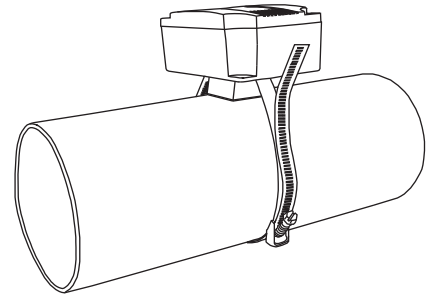
TYPICAL INSTALLATION:

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

The HATXSO series can be mounted directly to various sizes of pipes and secured using a 10" S/S pipe clamp. If necessary, remove a section of insulation from the pipe. The 10" S/S pipe clamp is a "Quick Release" type and can be separated by moving the tightening screw so that it is perpendicular to the clamp and slide the clamp apart. Position the aluminum plate on the pipe so it makes the best contact, wrap the clamp around the pipe and re-assemble and tighten. Any excess clamp may be cut off.

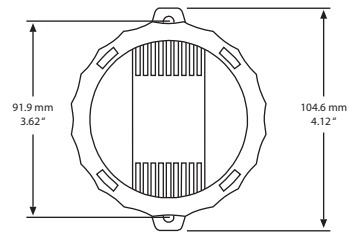
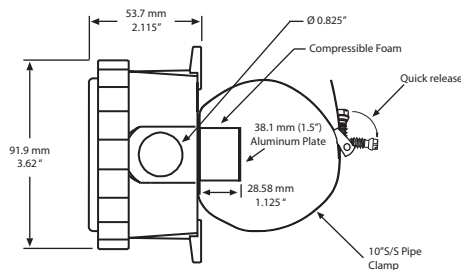
For best results, thermal conductive compound should be applied to pipe prior to mounting the probe.

Wiring connections are made inside the enclosure.

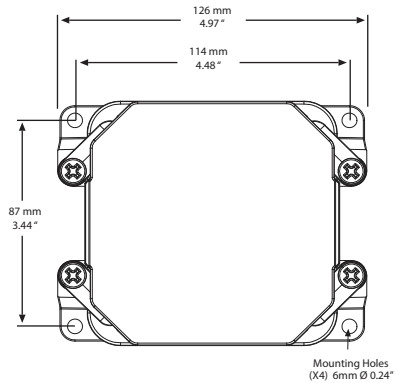
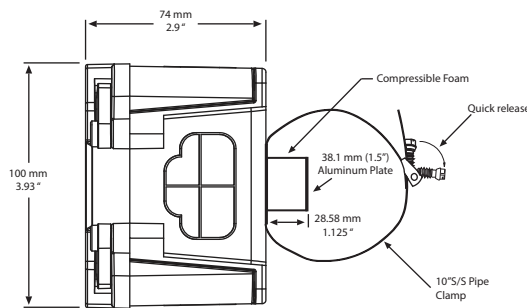


DIMENSIONS:

Round ABS Enclosure (E)



PVC Enclosure (P)



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



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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