GREYSTONE
ACCURACY BY DESIGN

The TE200ES single point strap-on temperature sensor has a precision sensor bonded to a 1.5"x 1.5" aluminum plate and adhered to a 1.5 x 1" compressible foam. A 10" S/S Pipe clamp is provided to secure the assembly to various sizes of pipe. All probes are constructed to provide excellent heat transfer, fast response and are potted to resist moisture penetration. It is available with a variety of enclosures.

SPECIFICATION:

Sensor Type:..................Thermistor or RTD
See Ordering Chart

Temperature Range:..-20 to 105 °C (-4 to 221 °F)
Higher Ranges Available
Contact Greystone

Wire Material:...............PVC insulated, parallel bonded
(Type 2, 100 ohm Platinum is FT-4)

Probe Material:.............1.5" square aluminum plate

Enclosure:......................Standard - ABS - UL94-V - NEMA 12 (IP64)
Round (E) - ABS - NEMA 12 (IP64)
Metal (M) - Gal. Steel - NEMA 1 (IP30)
Weatherproof (W) - Cast Alum. NEMA 3R (IP64)

Termination:.................Pigtail 2 or 3 wire
Terminal block with (E) enclosure
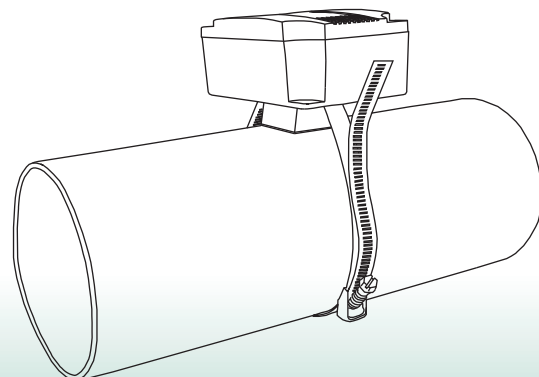
TYPICAL INSTALLATION:

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.
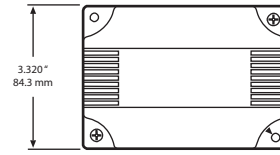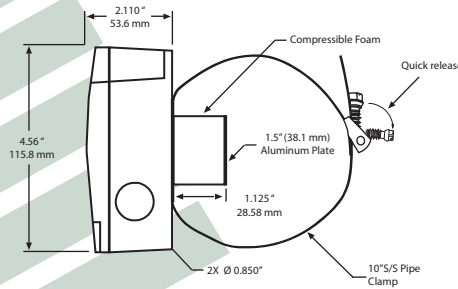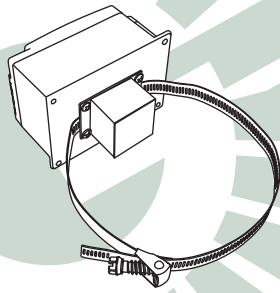
The TE200ES series can be mounted directly to various sizes of pipes and secured using the 10" S/S pipe clamp.

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 sliding 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.
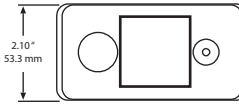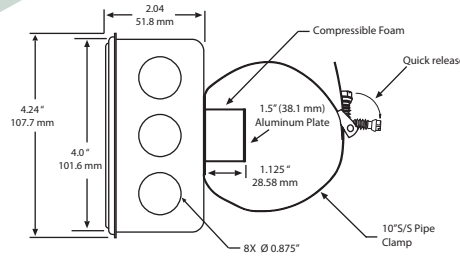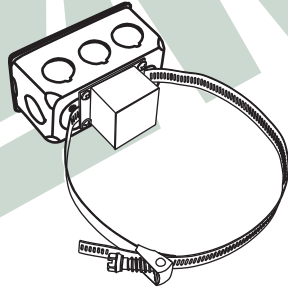
Wiring connections are made inside the enclosure using a 2 or 3 wire pigtail. On the Round (E) enclosure a terminal strip is provided.

PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
TE200ES	Strap-on Temperature Sensor

CODE	Enclosure (ABS enclosure is standard)
-	ABS enclosure, standard (no code required, leave blank)
M	Metal utility box
E	Round ABS, w/gasketed cover
W	Aluminum weatherproof box

CODE	Sensor
2	PT100-100 Ω Plat. IEC 751, 385 Alpha, thin film
5	1801 Ω, NTC Thermistor, ±0.2 C
6	3000 Ω, NTC Thermistor, ±0.2 C
7	10,000 Ω, type 3, NTC Thermistor, ±0.2 C
8	2.252 KΩ, NTC Thermistor, ±0.2 C
9	100,000 Ω, NTC Thermistor, ±0.2 C
12	PT1000-1000 Ω Platinum, IEC 751, 385 Alpha, thin film
13	1000 Ω Nickel
14	10,000 Ω, type 3, NTC Thermistor, ±0.2 C c/w 11K shunt resistor
15	PT3000 PTC Platinum, ±0.2 C
20	20,000 Ω, NTC Thermistor, ±0.2 C
24	10,000 Ω, type 2, NTC Thermistor, ±0.2 C

TE200ES	-	7

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

GREYSTONE ENERGY SYSTEMS, INC.

RoHS COMPLIANT

MADE IN CANADA

CE

Dimensions:

ABS Enclosure

- 2.110″ / 53.6 mm
- 4.56″ / 115.8 mm
- Compressible Foam
- Quick release
- 1.5″ (38.1 mm) Aluminum Plate
- 1.125″ / 28.58 mm
- 2X Ø 0.850″
- 10″S/S Pipe Clamp
- 3.320″ / 84.3 mm

Metal Enclosure (M)

- 2.04 / 51.8 mm
- 4.24″ / 107.7 mm
- 4.0″ / 101.6 mm
- Compressible Foam
- Quick release
- 1.5″ (38.1 mm) Aluminum Plate
- 1.125″ / 28.58 mm
- 8X Ø 0.875″
- 10″S/S Pipe Clamp
- 2.10″ / 53.3 mm

Round ABS Enclosure (E)

- 2.115″ / 53.7 mm
- 3.62″ / 91.9 mm
- Compressible Foam
- Quick release
- 1.5″ (38.1 mm) Aluminum Plate
- 1.125″ / 28.58 mm
- Ø 0.825″
- 10″S/S Pipe Clamp
- 3.62″ / 91.9 mm
- 4.12″ / 104.6 mm
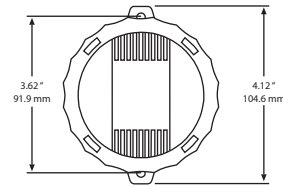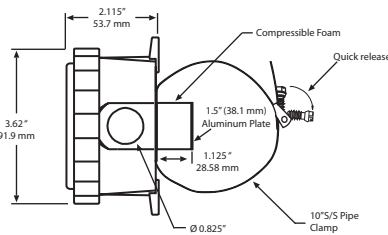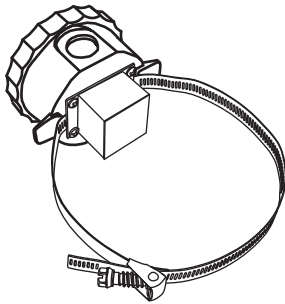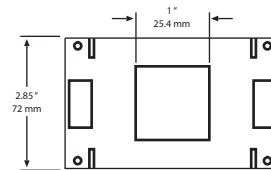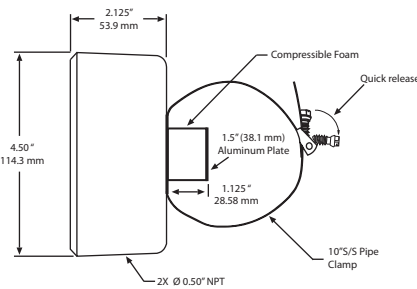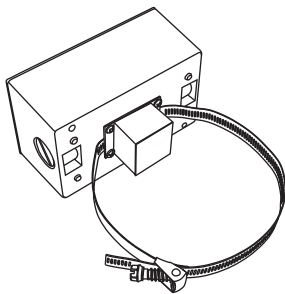
Weatherproof Enclosure (W)

- 2.125″ / 53.9 mm
- 4.50″ / 114.3 mm
- Compressible Foam
- Quick release
- 1.5″ (38.1 mm) Aluminum Plate
- 1.125″ / 28.58 mm
- 2X Ø 0.50″ NPT
- 10″S/S Pipe Clamp
- 1″ / 25.4 mm
- 2.85″ / 72 mm

GREYSTONE
ACCURACY BY DESIGN

Greystone Energy Systems, Inc.
150 English Drive, Moncton, NB
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

MADE IN CANADA   Certified System   CE

Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC sensors and transducers 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