GREYSTONE
ACCURACY BY DESIGN

The TE200E single point strap-on temperature sensor utilizes a precision sensor encapsulated in a 6.35 mm (0.25") OD, 304 stainless steel probe and is available in various lengths (see ordering chart). Standard wire length is 5' (1.5 m). All probes are constructed to provide excellent heat transfer, fast response and are potted to resist moisture penrtration. 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:...............5' (1.524 m) PVC insulated, parallel bonded
                              (Type 2, 100 ohm Platinum is FT-4)

Probe Material:............304 Series Stainless Steel

Probe Dimensions:......0.25"(6.35 mm) Diameter

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.

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 1-3 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.
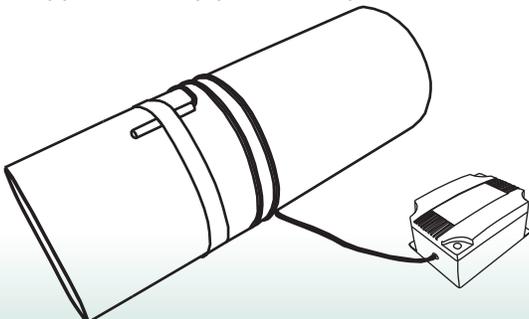
PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
TE200E	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
R	No 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

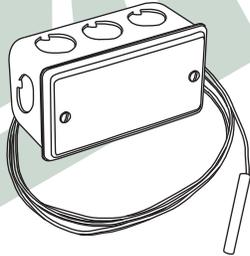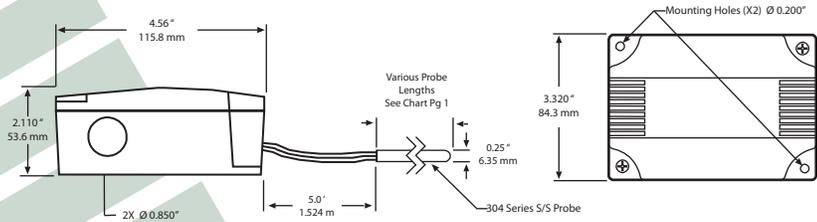| CODE	Probe Length
A2	50 mm (2")
B2	100 mm (4")
C2	150 mm (6")
D2	200 mm (8")
E2	300 mm (12")
F2	450 mm (18")

TE200E	-	7	A2

Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.
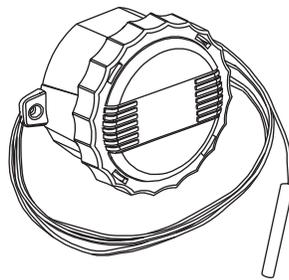
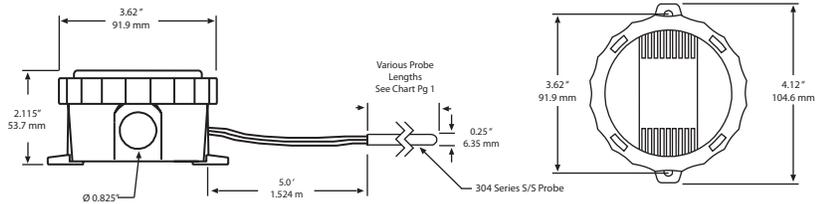## GREYSTONE ENERGY SYSTEMS, INC.

RoHS COMPLIANT

MADE IN CANADA

CE

Dimensions:

ABS Enclosure

4.56"
115.8 mm

2.110"
53.6 mm

2X Ø 0.850"

Various Probe
Lengths
See Chart Pg 1

0.25"
6.35 mm

5.0'
1.524 m

304 Series S/S Probe

Mounting Holes (X2) Ø 0.200"

3.320"
84.3 mm

Metal Enclosure

4.24"
107.7 mm

4.0"
101.6 mm

2.04"
51.8 mm

Various Probe
Lengths
See Chart Pg 1

0.25"
6.35 mm

5.0'
1.524 m

304 Series S/S Probe

8X Ø 0.875"

2.10"
53.3 mm

Round ABS Enclosure

3.62"
91.9 mm

2.115"
53.7 mm

Ø 0.825"

Various Probe
Lengths
See Chart Pg 1

0.25"
6.35 mm

5.0'
1.524 m

304 Series S/S Probe

3.62"
91.9 mm

4.12"
104.6 mm
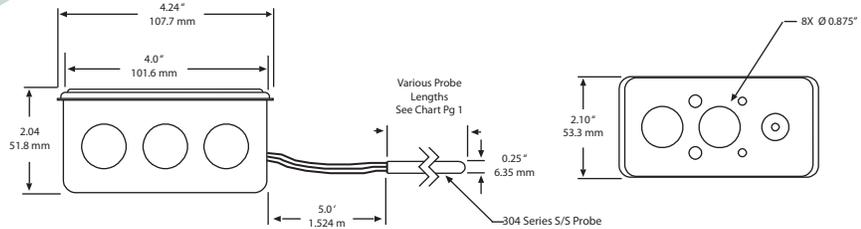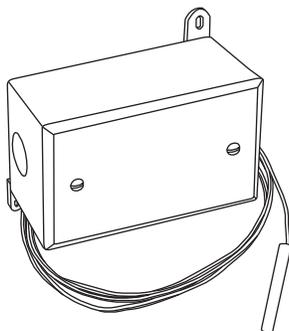
Weatherproof Enclosure

4.50"
114.3 mm

2.125"
53.9 mm

Various Probe
Lengths
See Chart Pg 1

0.25"
6.35 mm

5.0'
1.524 m

304 Series S/S Probe

3X Ø 0.50" NPT

2.85"
72 mm

3.35"
85 mm

3.78"
96 mm
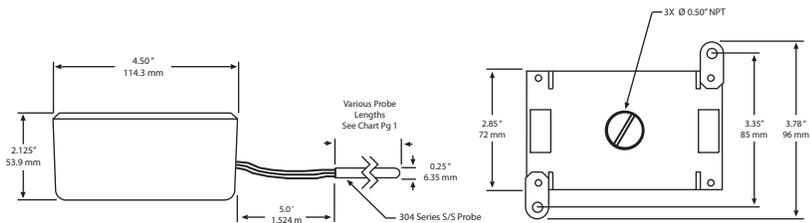
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ACCURACY BY DESIGN

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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

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