



GREYSTONE

ENERGY SYSTEMS INC

STRAP-ON TEMPERATURE SENSOR TE200E Series

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 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 1.524 m (5 pi) PVC insulated, parallel bonded
(Type 2, 100 ohm Platinum is FT-4)

Probe Material 304 Series Stainless Steel

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

Enclosure Standard - ABS - UL94-5VB - IP61 (NEMA 2)
Round (E) - ABS - UL94-V5 B- IP65 (NEMA4X)
Metal (M) - Gal. Steel - IP50 (NEMA1)
Weatherproof (W) - Cast Alum. IP64 (NEMA3X)
*In order to maintain the published NEMA/IP ratings, properly rated conduit or cable gland adapters must be used.

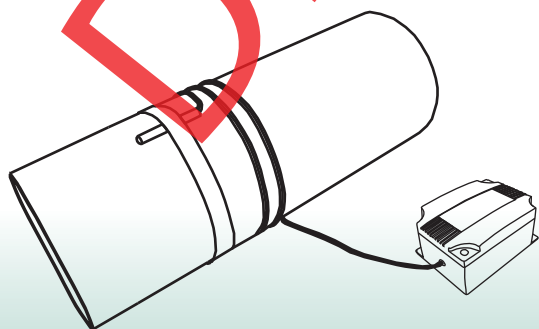
Termination Pigtail 2 or 3 wire
Terminal block with (E) enclosure

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)
E	Round ABS, w/gasketed cover
M	Metal utility box
W	Aluminum weatherproof box
R	No Box

CODE	Sensor
2	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
12	1000 Ω Platinum, IEC 751, 385 Alpha, thin film
13	1000 Ω Nickel, class B, DIN 43760
14	10,000 Ω, type 3, NTC Thermistor, ±0.2 C c/w 11K shunt resistor
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")

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

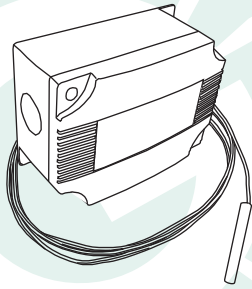


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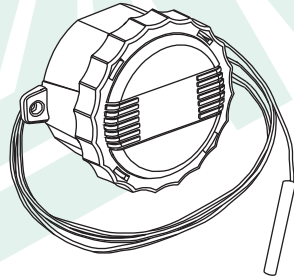
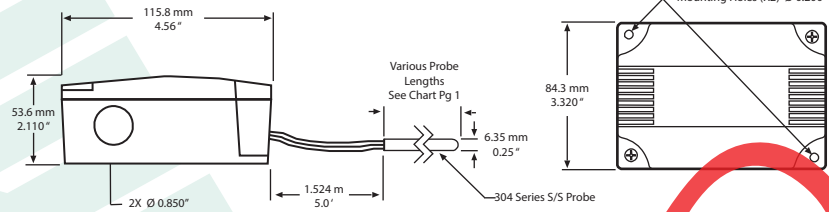
RoHS
COMPLIANT



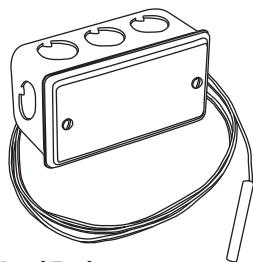
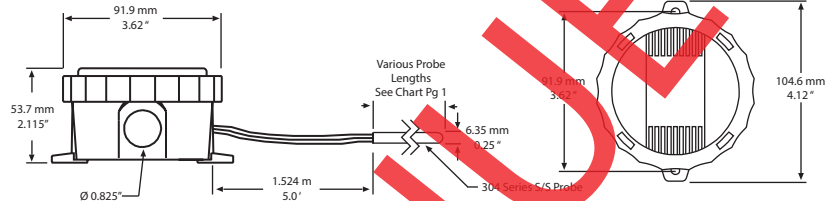
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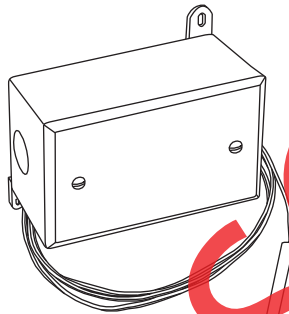
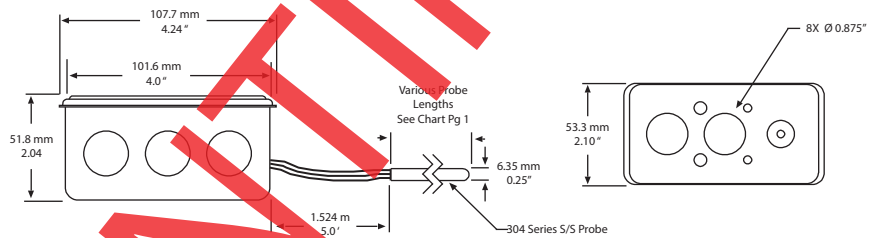
ABS Enclosure



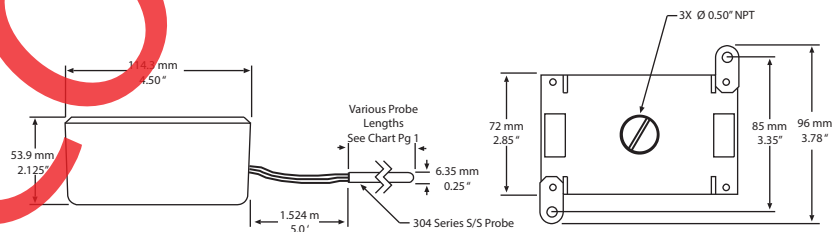
Round ABS Enclosure



Metal Enclosure



Weatherproof 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