SUBMITTAL
Strap-on Temperature Transmitter

Part Number:

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
TE500E	Strap-on Temperature Transmitter

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
12	PT1000-1000 Ω Platinum, IEC 751, 385 Alpha, thin film

CODE	Probe Length
A	50 mm (2")
B	100 mm (4")
C	150 mm (6")
D	200 mm (8")
E	300 mm (12")
F	450 mm (18")

CODE	Probe Material
2	304 Series Stainless Steel

CODE	Transmitter Output Signal
1A	Current 4-20mA
1D	Voltage 0-5 Vdc
1E	Voltage 0-10 Vdc

CODE	Transmitter Range
1	0˚ - 35˚C (32˚ - 95˚F)
2	0˚ - 50˚C (32˚ - 122˚F)
3	0˚ - 100˚C (32˚ - 212˚F)
4	50˚ - 150˚C (122˚ - 302˚F)
5	50˚ - 250˚C (122˚ - 482˚F)
6	-50˚ - 50˚C (-58˚ - 122˚F)
*	Custom range, please contact Greystone

TE500E	-	12	A	2	1A	3

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

EXAMPLE: Strap-on, 2‴ S/S probe, 4-20 mA, 0˚-100 ˚C

***Custom Range:**

The TE500E single point strap-on temperature transmitter incorporates a precision platinum RTD encapsulated in a 6.35 mm (0.25") OD, 304 stainless steel probe and is available in various lengths (see ordering chart). All probes provide excellent heat transfer, fast response and 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)

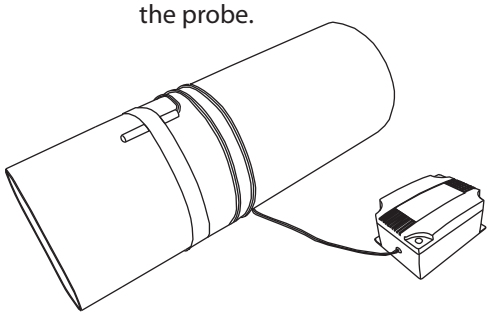
Sesnor Operating Temperature Range	-20˚ to 105 ˚C (-4˚ to 221 ˚F) Higher ranges available, please contact Greystone
Enclosure	**Standard** - ABS - UL94-V - NEMA 1 (IP23) **Round (E)** - ABS - NEMA 3 (IP64) **Metal (M)** - Galvanized steel - NEMA 1 (IP23) **Weatherproof (W)** - Cast Aluminum - NEMA 4X (IP66)
Cable	PVC insulated, parallel bonded (Type 2, 100 ohm platinum uses FT-4)
Probe	304 Series Stainless Steel with spin welded tip
Output Signal	**Current:** 4-20 mA current loop **Voltage:** 0-5 or 0-10 Vdc (Factory Configured)
Transmitter Accuracy	±0.1% of span, including linearity
Power Supply	**Current:** 15-35 Vdc or 22-32 Vac **Voltage: 0-5 Vdc:** 10-35 Vdc or 10-32 Vac **0-10 Vdc:** 15-35 Vdc or 15-32Vac
Power Consumption	**Current:** 22.5 mA Max. (Occurs with open sensor) **Voltage:** 5 mA nominal
PCB Operating Temperature	0˚ to 70˚C (32˚ to 158˚F)
Wiring Connections	Two or three wires Screw terminal block (14 to 22 AWG)

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 necessary, the pipe insulation can be re-applied to the pipe over the probe.



GREYSTONE

ACCURACY BY DESIGN

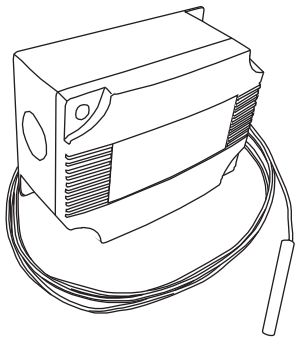
Greystone Energy Systems, Inc.
150 English Drive, Moncton, NB
Canada E1E 4G7

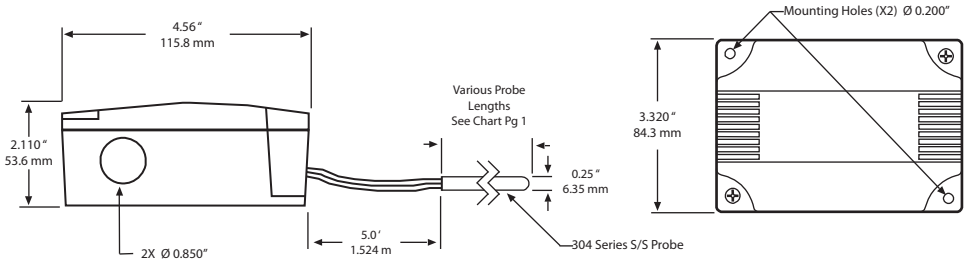
(506) 853-3057 Fax: (506) 853-6014
North America: 1-800-561-5611
e-mail: mail@greystoneenergy.com
www.greystoneenergy.com

RoHS COMPLIANT

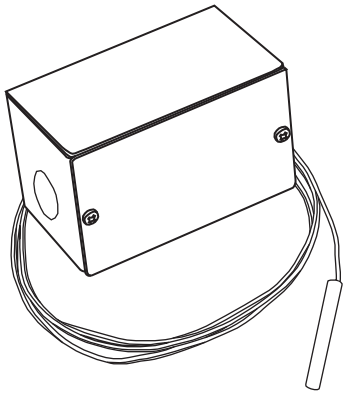
Dimensions:

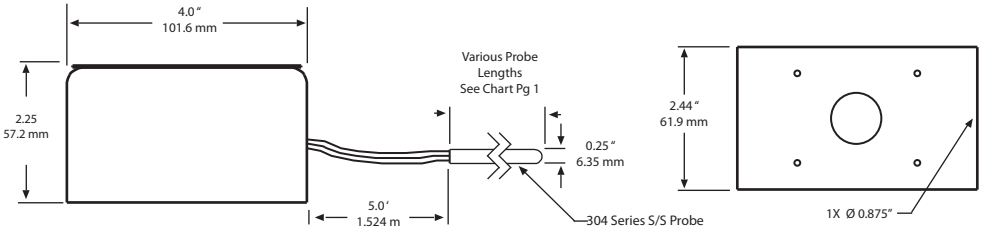
GREYSTONE
ACCURACY BY DESIGN



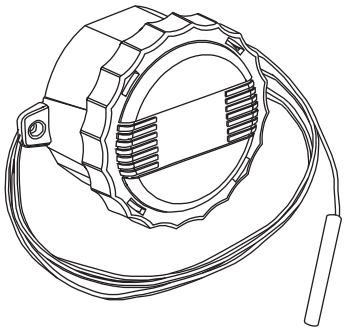


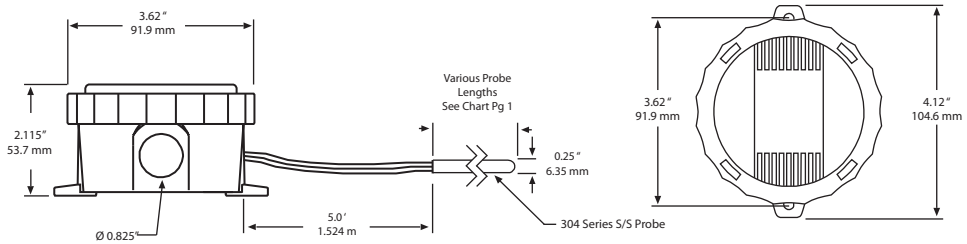
ABS Enclosure



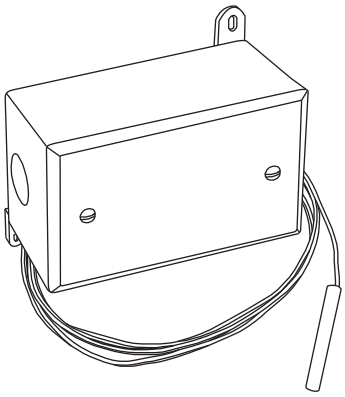


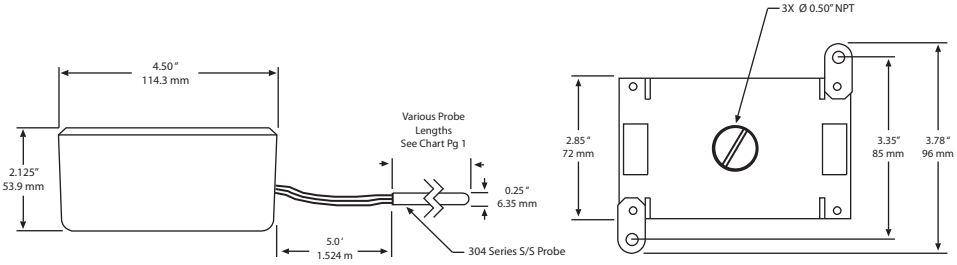
Metal Enclosure (M)





Round ABS Enclosure (E)





Weatherproof Enclosure (W)