

The TE500ES single point strap-on temperature transmitter has a precision 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:

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Sensor	100 ohm Platinum RTD or	
	1000 ohm Platuinum RTD	
Sensor Accuracy	+0.3°C (+0.54°F) @ 0°C (32°F)	
Probe Sensing Range	$-20 \text{ to } 105^{\circ}\text{C} (-4 \text{ to } 221^{\circ}\text{F})$	
Wire Material	PVC insulated, parallel bonded	
Whe material	(Type 2, 100Ω Plat. uses FT4)	
Probe Material	Aluminum plate	
	w/ compressible foam backing	
Probe Dimension	38.1 mm (1.5") Square	
Pipe-strap	25.4 cm (10'') Staiplass steel	
	4-20mA current loop, 0-5 vdc, or	
	0-10 Vdc (factory configured)	
Transmitter Accuracy		
	linearity	
4-20 mA loop power Supply	15-35 Vdc or 22-32 Vac	
Minimum Current Loop		
	shorted sensor)	
Maximum loop Current	22.5 mA nominal (occurs with	
	open sensor)	
Maximum Loop Load		
0-5 Vdc Power Supply		
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	
	Good RFI rejection of normal	
	frequencies	
	Reverse voltage protected and	
	output limited	
Ambient Operating Bange	40 - 85°C (-40 - 185°F), 0-95% RH	
sindlene operating hange	non-condensing	
Enclosure	ABS, UL94-5VB, IP61 (NEMA 12)	
Lifelosure	(E)-ABS, UL94-5VB, IPOT (NEIMA 12)	
	(M)- Gal. Steel, IP50 (NEMA 1)	
	*In order to maintain the	
	published NEMA/IP ratings,	
	properly rated conduit or cable	
	gland adapters must be used.	
Wiring Connections		
	(14 to 22 AWG)	
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STRAP-ON TEMPERATURE TRANSMITTER TE500ES Series

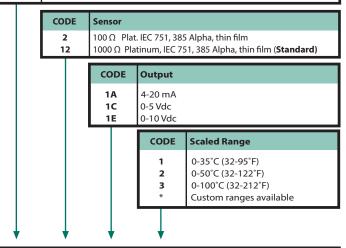
GREYSTONE

PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL	Product Description	
TE500ES	Strap-on Temperature Transmitter	

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



TYPICAL INSTALLATION:

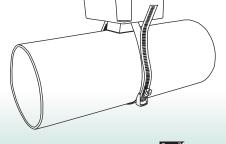
For complete installation and wiring details, please refer to the product installation instructions.

The TE500ES 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. Postion 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.

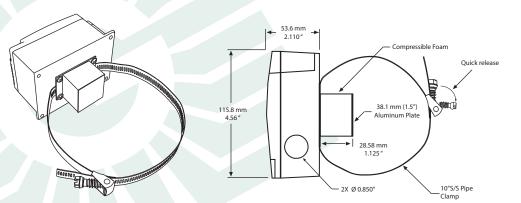
Wiring connections are made inside the enclosure.





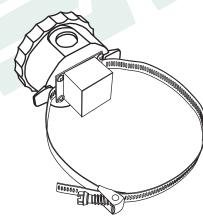


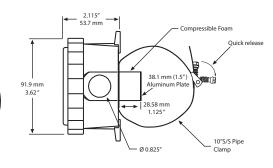
DIMENSIONS:

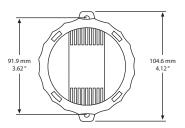


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84.3 mm 3.320 <i>"</i>		
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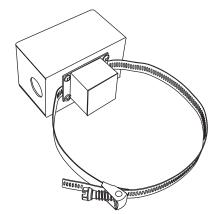
ABS Enclosure

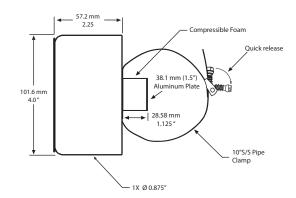


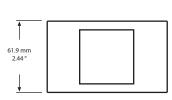




Round ABS Enclosure (E)







Metal Enclosure (M)

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



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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 leadingedge 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. 01/14

GREYSTONE HAS AN ISO 9001 REGISTERED QUALITY SYSTEM