

The TE500G single point glass temperature sensor utilizes a precision sensor encapsulated in a 31.75mm L x 9.525mm W x 9.525 mm H (1.25" x .375" x .375") Aluminum probe. Standard wire length is 600 mm (24"). All probes are constructed to provide excellent heat transfer, fast response and are potted to resist moisture penatration. It is available with a variety of enclosures. 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)

GLASS TEMPERATURE TRANSMITTER TE500G Series



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	
Wire Material	
	Type 2, 100Ω Plat. uses FT4)
Wire Length	. 600 mm (24")
Probe Material	. Aluminum
Probe Dimension	
	1.25" x .375" x .375")
Output Signal	. 4-20mA current loop, 0-5 vdc, or
	0-10 Vdc (factory configured)
Transmitter Accuracy	
	linearity
4-20 mA loop power Supply	
Minimum Current Loop	
Maximum loop Current	shorted sensor)
waximum loop Current	open sensor)
Maximum Loop Load	
0-5 Vdc Power Supply	
0-10 Vdc Power Supply	
Maximum Current (Voltage)	
Maximum Output (Voltage)	
maximum output (voltage)	<10.5 for 0-10 vdc
Input Voltage Effect	. Negligible over specified
	operating range
RFI rejection	. Good RFI rejection of normal
	frequencies
Protection Circuitry	
	output limited
Ambient Operating Range	40 85°C (-40 - 185 F), 0-95% RH
	non-condensing
Enclosure	. ABS, UL94-5VB, IP61 (NEMA 12)
	(E)-ABS, NL94-5VB, IP65 (NEMA 4X)
	(M)-Gal. Steel, IP50 (NEMA 1)
	(W)-Cast Aluminum IP64 (NEMA3X) *In order to maintain the
	published NEMA/IP ratings,
	properly rated conduit or cable
	gland adapters must be used.
Wiring Connections	. Screw terminal block

PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

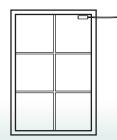
RODUCT SELECTION INFORMATION:								
MODE	Product D	Product Description						
T E500 G	Glass Temp	ss Temperature Transmitter						
	CODE E M W	Enclosure (ABS enclosure is standard) ABS enclosure, standard (no code required, leave blank) Round ABS, w/gasketed cover Metal utility box Aluminum weatherproof box						
		2 12	Sensor 100 Ω Plat. IEC 751, 385 Alpha, thin film 1000 Ω Platinum, IEC 751, 385 Alpha, thin film (Standard)					
•			1/ 1/ 1	c	4-20 m	Output 4-20 mA 0-5 Vdc		
				_	CODE		Scaled Range	
					1 2 3 *		0-35°C (32-95°F) 0-50°C (32-122°F) 0-100°C (32-212°F) Custom ranges available	

TYPICALINSTALLATION:

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

(14 to 22 AWG)

Find a suitable location on an exterior window where both the probe can be mounted. On one side apply epoxy compound and press firmly against the glass. Hold in place until the epoxy has set.

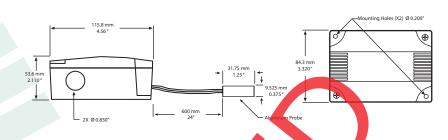




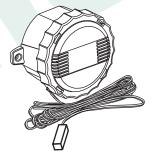


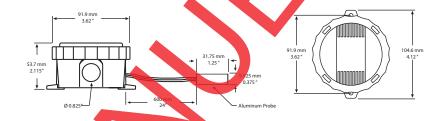




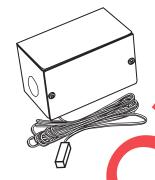


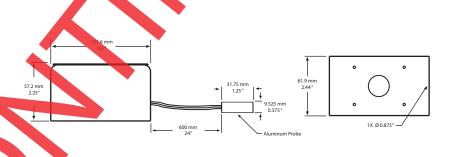
Round ABS Enclosure (E)



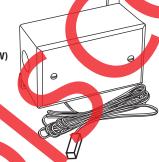


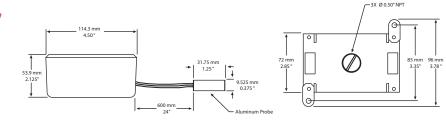
Metal Enclosure (M)





Weatherproof Enclosure (W)





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.

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