

HIGH ACCURACY STRAP-ON TEMPERATURE TRANSMITTER WITH LCD HATLSO Series

The HATLSO single point strap-on temperature sensor has a high accuracy platinum RTD bonded to a 38.1 mm x 38.1 mm (1.5"x 1.5") aluminum plate and adhered to a 1" compressible foam. A 10" S/S Pipe clamp is provided to secure the assembly to various sizes of pipe. 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 for measurement of pipe temperatures. A LCD is provided in either °C or °F.



SPECIFICATION:

Sensor	. 1000 ohm Platinum RTD
Accuracy	RTD Class A: ±0.15°C @ 0°C
•	RTD 1/3 DIN: ±0.1°C @ 0°C RTD 1/10 DIN: ±0.03°C @ 0°C
Probe Sensing Range	
	PVC insulated, parallel bonded
Pipe Clamp	. 25.4 cm (10") Stainless steel
Probe Material	Aluminum
Probe Dimension	38.1 x 38.1 mm (1.5" x 1.5")
Output Signal	4-20mA current loop,
	0-5 vdc, or 0-10 Vdc
	(factory configured)
Transmitter Accuracy	. ±0.25% of span, including
Davis Consults	linearity
Power Supply	. 4-20 mA: 15-35 Vdc or 22-32 Vac 0-5 vdc: 10-35 Vdc or 10-32 Vac
	0-10 Vdc: 10-35 Vdc or 10-32 Vac 0-10 Vdc: 15-35 Vdc or 15-32 Vac
Consumption	
20113411174101111111111111111111111111111	(On open Sensor)
	Voltage: 5 mA nominal
Input Voltage Effect	Negligible over specified
	operating range
RFI rejection	Good RFI rejection of normal
D	frequencies
Protection Circuitry	. Reverse voltage protected
Display Units	°C or °C
Display Units	
Display Range	necessary
Display Size	
Display Size	(0.95" x 0.45")
Ambient Operating Range	
Wiring Connections	
	(14 to 22 AWG)

PART NUMBER SELECTED

PODLICT CELECTION INFORMATION.

PRODUCT SELECTION INFORMATION:

MOI	DEL	Product Description							
HATI	LSO	High Accuracy Strap-on Temperature Transmitter with LCD Display							
	CODE LCD Display								
		C		displa	•				
		F		displa					
	ľ						_		
	CODE		Sensor						
				18 22		0 Ω Platinum, IEC 751, 385 Alpha, thin film, Class A			
				18	1000 Ω Platinum, IEC 751, 385 Alpha, thin film, 1/10 DIN 1000 Ω Platinum, IEC 751, 385 Alpha, thin film, 1/3 DIN				
						DE	Output		
				A D		4-20mA 0-5 VDC			
					_	E 0-10 VDC			
				·					
						CODE	Scaled Range		
							1 2	0 - 35°C (32 - 95°F) 0 - 50°C (32 - 122°F)	
							3	0 - 100°C (32 - 122 F) 0 - 100°C (32 - 212°F)	
	7		· ·	*		<u></u>	*		





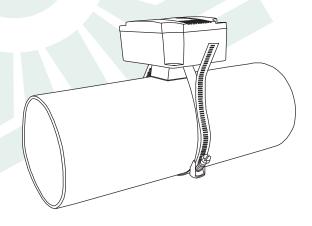
TYPICAL INSTALLATION:

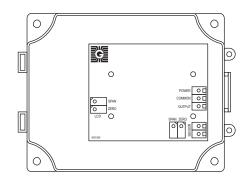
For complete installation and wiring details, please refer to the product installation instructions.

For best results, thermal conductive compound should be applied to pipe prior to mounting the probe.

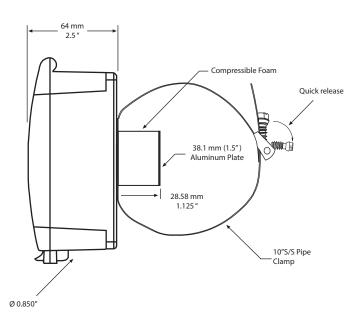
The HATLSO series can be mounted directly to various sizes of pipes and secured using a 10" S/S pipe clamp.

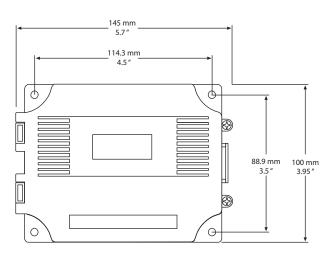
If necessary, remove a section of insulation from the pipe. The 10" S/S pipe clamp is a "Quick Release" type and can be separated by moving the tightening screw so that it is perpendicular to the clamp and slide the clamp apart. Postion the aluminum plate on the pipe so it makes as much contact with the pipe as possible, wrap the clamp around the pipe, re-assemble and tighten. Any excess clamp may be cut off.





DIMENSIONS:





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



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

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









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.