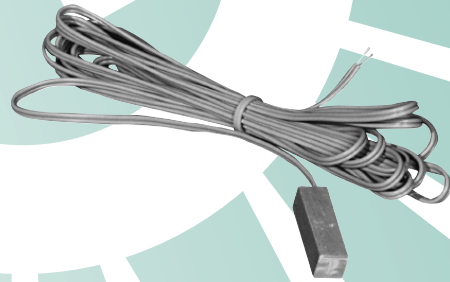




# GREYSTONE ENERGY SYSTEMS INC

## HIGH ACCURACY GLASS TEMPERATURE SENSOR HATSGL Series

The high accuracy 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 penetration.



### SPECIFICATION:

Sensor Type ..... Thermistor or RTD  
 Sensor Accuracy:..... **RTD Class A:**  $\pm 0.15^{\circ}\text{C}$  @  $0^{\circ}\text{C}$   
                                   **RTD 1/3 DIN:**  $\pm 0.1^{\circ}\text{C}$  @  $0^{\circ}\text{C}$   
                                   **RTD 1/10 DIN:**  $\pm 0.03^{\circ}\text{C}$  @  $0^{\circ}\text{C}$   
                                   **NTC Thermistor Type 39:**  $\pm 0.05^{\circ}\text{C}$ , 0 to  $70^{\circ}\text{C}$   
                                   **NTC Thermistor Type 55:**  $\pm 0.03^{\circ}\text{C}$ , 0 to  $70^{\circ}\text{C}$   
                                   **NTC Thermistor Type 40/46:**  $\pm 0.1^{\circ}\text{C}$ , 0 to  $70^{\circ}\text{C}$

Temperature Range.....  $-20$  to  $105^{\circ}\text{C}$  ( $-4$  to  $221^{\circ}\text{F}$ )  
 Wire Material ..... PVC insulated, parallel bonded  
 Probe Length ..... 1.524 m (5')  
 Probe Material ..... Aluminum  
 Probe Dimensions ..... 31.75mm L x 9.525mm W x 9.525mm H  
                                   (1.25" x 0.375" x 0.375")  
 Termination ..... Pigtail, 2 or 3 wire  
 Country of Origin ..... Canada

### PART NUMBER SELECTED

### PRODUCT SELECTION INFORMATION:

MODEL	Product Description
HATSGLX	High Accuracy Glass Temperature Sensor

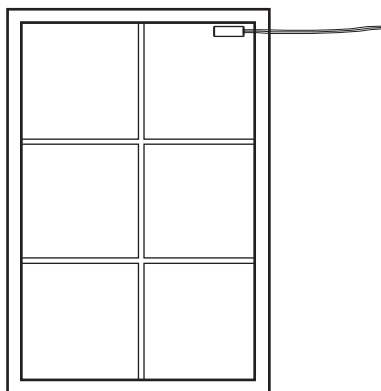
CODE	Sensor
18	1000 $\Omega$ Platinum, 2 wire, IEC 751, 385 Alpha, thin film, Class A
48	1000 $\Omega$ Platinum, 2 wire, IEC 751, 385 Alpha, thin film, 1/3 DIN
22	1000 $\Omega$ Platinum, 2 wire, IEC 751, 385 Alpha, thin film, 1/10 DIN
41	1000 $\Omega$ Platinum, 3 wire, IEC 751, 385 Alpha, thin film, Class A
49	1000 $\Omega$ Platinum, 3 wire, IEC 751, 385 Alpha, thin film, 1/3 DIN
50	1000 $\Omega$ Platinum, 3 wire, IEC 751, 385 Alpha, thin film, 1/10 DIN
39	10,000 $\Omega$ Type 2, NTC Thermistor, $\pm 0.05^{\circ}\text{C}$
55	10,000 $\Omega$ Type 2, NTC Thermistor, $\pm 0.03^{\circ}\text{C}$
40	10,000 $\Omega$ Type 3, NTC Thermistor, $\pm 0.1^{\circ}\text{C}$
46	20,000 $\Omega$ , NTC Thermistor, $\pm 0.1^{\circ}\text{C}$

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

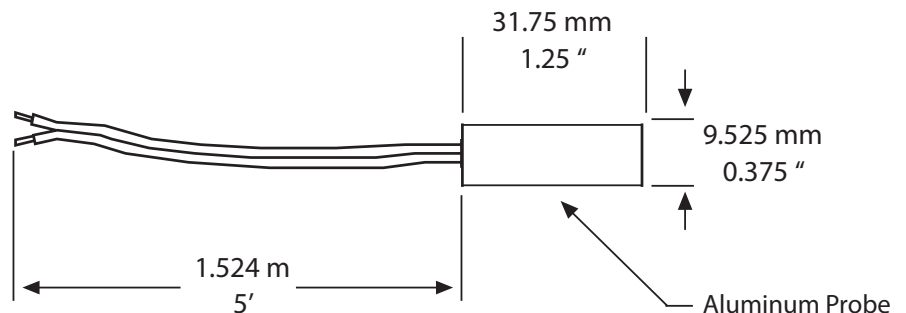
### TYPICAL INSTALLATION:

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

Find a suitable location on an exterior window where 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.



### DIMENSIONS:



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