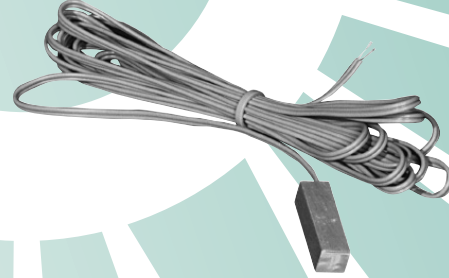


# GLASS TEMPERATURE SENSOR TSGL Series

The 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 1.5 m (5'). 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:..... **Thermistors:**  $\pm 0.2^{\circ}\text{C}$  ( $\pm 0.36^{\circ}\text{F}$ ) @  $25^{\circ}\text{C}$  ( $77^{\circ}\text{F}$ )  
   **Platinum RTD's:**  $\pm 0.3^{\circ}\text{C}$  ( $\pm 0.54^{\circ}\text{F}$ ) @  $0^{\circ}\text{C}$  ( $32^{\circ}\text{F}$ )  
   **Nickel RTD's:**  $\pm 0.4^{\circ}\text{C}$  ( $\pm 0.72^{\circ}\text{F}$ ) @  $0^{\circ}\text{C}$  ( $32^{\circ}\text{F}$ )

Probe Sensing Range.....  $-20$  to  $105^{\circ}\text{C}$  ( $-4$  to  $221^{\circ}\text{F}$ )  
 Ambient Operating Range...  $-40$  to  $50^{\circ}\text{C}$  ( $-40$  to  $122^{\circ}\text{F}$ )  
 Wire Material..... PVC insulated, parallel bonded  
 Probe Length .....  $1.524$  m (5')  
 Probe Material ..... Aluminum  
 Probe Dimensions.....  $31.75\text{mm L} \times 9.525\text{mm W} \times 9.525\text{mm H}$   
   ( $1.25'' \times 0.375'' \times 0.375''$ )  
 Termination ..... Pigtail, 2 or 3 wire  
 Country of Origin..... Canada

### PART NUMBER SELECTED

### PRODUCT SELECTION INFORMATION:

MODEL	Product Description
TSGLX	Glass Temperature Sensor

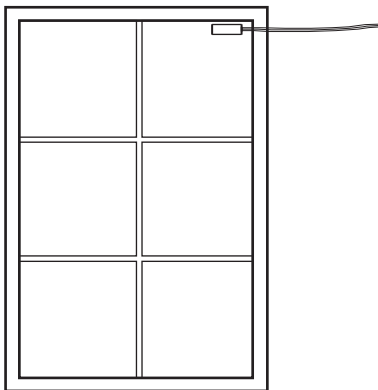
CODE	Sensor
<b>02X</b>	100Ω, Platinum IEC 751, 385 Alpha, thin film
<b>05X</b>	1801Ω, NTC Thermistor, $\pm 0.2^{\circ}\text{C}$
<b>06X</b>	3000Ω, NTC Thermistor, $\pm 0.2^{\circ}\text{C}$
<b>07X</b>	10,000Ω, type 3, NTC Thermistor, $\pm 0.2^{\circ}\text{C}$
<b>08X</b>	2.252 KΩ, NTC Thermistor, $\pm 0.2^{\circ}\text{C}$
<b>12X</b>	1000Ω, Platinum, IEC 751, 385 Alpha, thin film
<b>13X</b>	1000Ω, Nickel, Class B, DIN 43760
<b>14X</b>	10,000Ω, type 3, NTC Thermistor, $\pm 0.2^{\circ}\text{C}$ c/w 11K shunt resistor
<b>20X</b>	20,000Ω, NTC Thermistor, $\pm 0.2^{\circ}\text{C}$
<b>24X</b>	10,000Ω, type 2, NTC Thermistor, $\pm 0.2^{\circ}\text{C}$
<b>59X</b>	10,000Ω @ $25^{\circ}\text{C}$ , $\pm 1\%$ , $B = 3435 \pm 1\%$ (25/85)

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:

