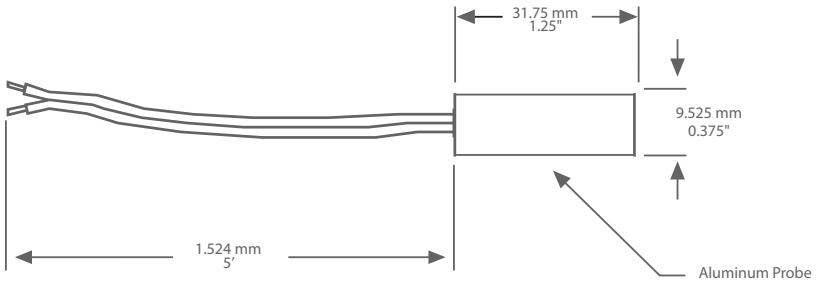
GREYSTONE
ENERGY SYSTEMS INC

GLASS TEMPERATURE SENSOR



TSGL SERIES

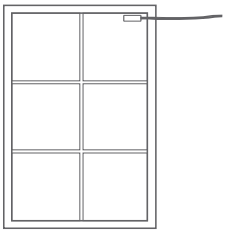
PRODUCT DESCRIPTION

The single point glass temperature sensor utilizes a precision sensor encapsulated in a 31.75mm L x 9.525mm W x 9.525mm H (1.25" x 0.375" x 0.375") aluminum probe. Standard wire length is 1.524m (5'). All probes are constructed to provide excellent heat transfer, fast response and are potted to resist moisture penetration.

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.



SPECIFICATIONS

SENSOR TYPE	Thermistor or RTD (see ordering chart)
SENSOR ACCURACY	**Thermistors:** ±0.2°C (±0.36°F) @ 25°C (77°F) **Platinum RTD's:** ±0.3°C (±0.54°F) @ 0°C (32°F) **Nickel RTD's:** ±0.4°C (±0.72°F) @ 0°C (32°F)
PROBE SENSING RANGE	-40 to 100°C (-40 to 212°F)
AMBIENT OPERATING RANGE	-40 to 60°C (-40 to 140°F), 5 to 95 %RH non-condensing
WIRE MATERIAL	PVC insulated, parallel bonded
WIRE LENGTH	1.524m (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

ORDERING

PRODUCT	TSGLX	Glass Temperature Sensor
SENSOR	**02X**	100 Ω Platinum, IEC 751, 385 Alpha, thin film
	05X	1801 Ω NTC Thermistor, ±0.2°C
	06X	3000 Ω NTC Thermistor, ±0.2°C
	07X	10,000 Ω Type 3, NTC Thermistor, ±0.2°C
	08X	2.252K Ω NTC Thermistor, ±0.2°C
	12X	1000 Ω Platinum, IEC 751, 385 Alpha, thin film
	13X	1000 Ω Nickel, Class B, DIN 43760
	14X	10,000 Ω Type 3, NTC Thermistor, ±0.2°C c/w 11K shunt resistor
	20X	20,000 Ω NTC Thermistor, ±0.2°C
	24X	10,000 Ω Type 2, NTC Thermistor, ±0.2°C
	59X	10,000 Ω, 25°C, ±1%, B = 3435 ±1% (25/85)

PART NUMBER

TSGLX

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

RoHS COMPLIANT

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