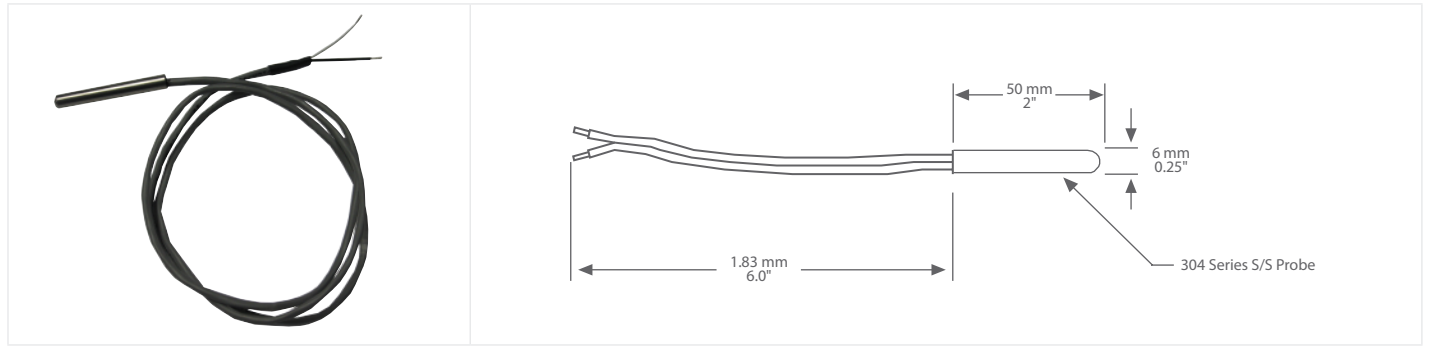




## FLYING LEAD TEMPERATURE SENSOR



### TSFL SERIES

### PRODUCT DESCRIPTION

The single point flying lead temperature sensor utilizes a precision sensor encapsulated in 6mm (0.236") OD x 50mm (2"), 304 series stainless steel probe. Standard wire length is 3.05m (10'). All probes are constructed to provide excellent heat transfer, fast response and are potted to resist moisture penetration.

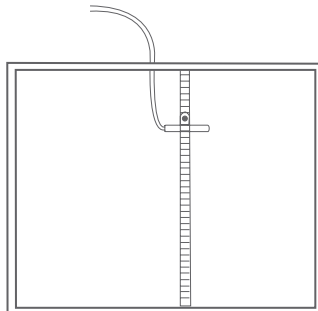
### TYPICAL INSTALLATION

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

A typical application for the flying lead type probes is to monitor a single point temperature within the duct. Install the probe in a straight section of duct at a suitable distance downstream from any heating, cooling, or humidification devices. Drill a 3/8" hole in the top of the duct and hang the sensor in the airstream.

### SPECIFICATIONS

SENSOR TYPE	Thermistor or RTD (see ordering chart)
SENSOR ACCURACY	<b>Thermistors:</b> $\pm 0.2^{\circ}\text{C}$ ( $\pm 0.36^{\circ}\text{F}$ ) @ $25^{\circ}\text{C}$ ( $77^{\circ}\text{F}$ ) <b>Platinum RTD's:</b> $\pm 0.3^{\circ}\text{C}$ ( $\pm 0.54^{\circ}\text{F}$ ) @ $0^{\circ}\text{C}$ ( $32^{\circ}\text{F}$ ) <b>Nickel RTD's:</b> $\pm 0.4^{\circ}\text{C}$ ( $\pm 0.72^{\circ}\text{F}$ ) @ $0^{\circ}\text{C}$ ( $32^{\circ}\text{F}$ )
PROBE SENSING RANGE	-40 to $60^{\circ}\text{C}$ (-40 to $140^{\circ}\text{F}$ )
AMBIENT OPERATING RANGE	-40 to $50^{\circ}\text{C}$ (-40 to $122^{\circ}\text{F}$ ), 5 to 95 %RH non-condensing
WIRE MATERIAL	FT-6 rated plenum cable, 22 AWG
WIRE LENGTH	3.05m (10')
PROBE MATERIAL	304 series stainless steel
PROBE DIMENSIONS	6mm (0.236") diameter x 50mm (2") long
TERMINATION	Pigtail, 2 or 3 wire
COUNTRY OF ORIGIN	Canada



### ORDERING

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

### PART NUMBER

TSFLX

NOTE: 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

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