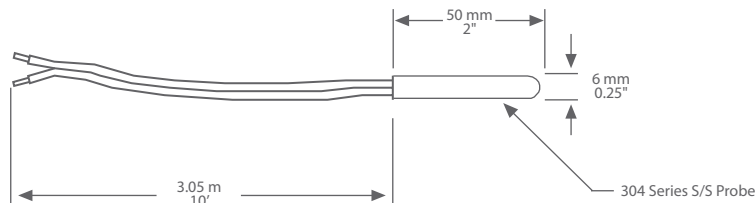


FLYING LEAD TEMPERATURE SENSOR



TSFL SERIES

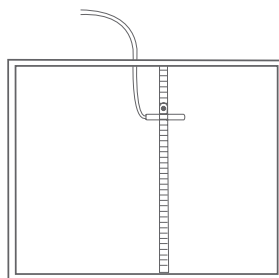
PRODUCT DESCRIPTION

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	Thermistors: $\pm 0.2^{\circ}\text{C}$ ($\pm 0.36^{\circ}\text{F}$) @ 25°C (77°F) Platinum RTD's: $\pm 0.3^{\circ}\text{C}$ ($\pm 0.54^{\circ}\text{F}$) @ 0°C (32°F) Nickel RTD's: $\pm 0.4^{\circ}\text{C}$ ($\pm 0.72^{\circ}\text{F}$) @ 0°C (32°F)
PROBE SENSING RANGE	-40 to 60°C (-40 to 140°F)
AMBIENT OPERATING RANGE	-40 to 60°C (-40 to 140°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	02X	100 Ω Platinum, IEC 751, 385 Alpha, thin film
	05X	1801 Ω NTC Thermistor, $\pm 0.2^{\circ}\text{C}$
	06X	3000 Ω NTC Thermistor, $\pm 0.2^{\circ}\text{C}$
	07X	10,000 Ω Type 3, NTC Thermistor, $\pm 0.2^{\circ}\text{C}$
	08X	2.252K Ω NTC Thermistor, $\pm 0.2^{\circ}\text{C}$
	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, $\pm 0.2^{\circ}\text{C}$ c/w 11K shunt resistor
	20X	20,000 Ω NTC Thermistor, $\pm 0.2^{\circ}\text{C}$
	24X	10,000 Ω Type 2, NTC Thermistor, $\pm 0.2^{\circ}\text{C}$
	59X	10,000 Ω , 25°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.