GREYSTONE
ENERGY SYSTEMS INC

FLYING LEAD TEMPERATURE SENSOR
TSFL Series

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

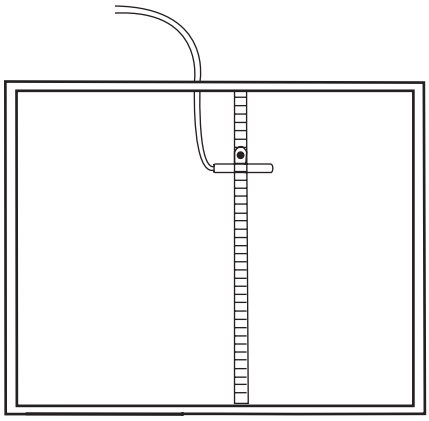
SPECIFICATION:

Sensor Type ..... Various Thermistors or RTD
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 60˚C (-40 to 140˚F)
Ambient Operating Range... -40 to 50°C (-40 to 122°F)
Wire Material..... FT-6 rated plenum cable, 22 AWG
Wire Length..... 3.05 m (10')
Probe Material..... 304 Series Stainless Steel
Probe Dimensions..... 6 mm (0.236") Diameter X 50 mm (2") Long
Termination..... **X:** Pigtail, 2 or 3 wire
C: Terminal block position
Country of Origin..... Canada

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.



PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

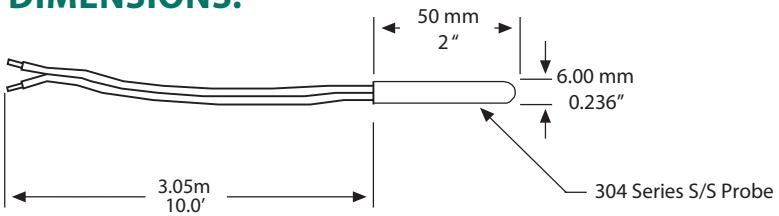
MODEL	Product Description
TSFL	Flying Lead Temperature Sensor

CODE	Connector Options
X	Pigtail, 2 or 3 wire
C	Terminal block

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

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

DIMENSIONS:



Greystone Energy Systems, Inc.
150 English Drive, Moncton, NB
Canada E1E 4G7

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

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