



GREYSTONE ENERGY SYSTEMS INC

HIGH ACCURACY FLYING LEAD TEMPERATURE SENSOR HATSFL Series

The high accuracy single point flying lead temperature sensor utilizes a precision sensor encapsulated in 6 mm (0.236") OD X 50 mm (2"), 304 series stainless steel probe. Standard wire length is 1.83 m (6'). All probes are constructed to provide excellent heat transfer, fast response and are potted to resist moisture penetration.



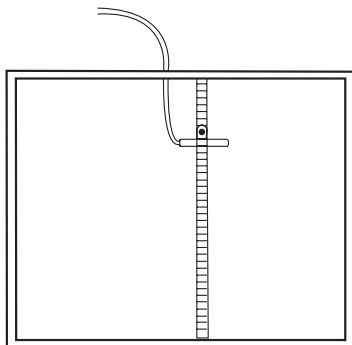
SPECIFICATION:

Sensor Type Various Thermistors or RTD
 Sensor Accuracy..... **RTD Class A:** $\pm 0.15^{\circ}\text{C}$ @ 0°C
 RTD 1/3 DIN: $\pm 0.1^{\circ}\text{C}$ @ 0°C
 RTD 1/10 DIN: $\pm 0.03^{\circ}\text{C}$ @ 0°C
 NTC Thermistor Type 39: $\pm 0.05^{\circ}\text{C}$, 0 to 70°C
 NTC Thermistor Type 55: $\pm 0.03^{\circ}\text{C}$, 0 to 70°C
 NTC Thermistor Type 40/46: $\pm 0.1^{\circ}\text{C}$, 0 to 70°C
 Temperature Range -20 to 60°C (-4 to 140°F)
 Wire Material FT-6 rated plenum cable, 22 AWG
 Wire Length 1.83 m (6')
 Probe Material 304 Series Stainless Steel
 Probe Dimensions 6 mm (0.236") Diameter X 50 mm (2") Long
 Termination Pigtail, 2 or 3 wire
 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

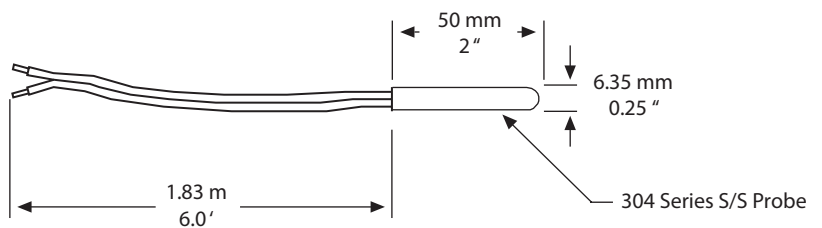
PRODUCT SELECTION INFORMATION:

MODEL	Product Description
TSFLX	Flying Lead Temperature Sensor

CODE	Sensor
18	1000 Ω Platinum, IEC 751, 385 Alpha, thin film, Class A
48	1000 Ω Platinum, 2 wire, IEC 751, 385 Alpha, thin film, 1/3 DIN
22	1000 Ω , Platinum, 2 wire, IEC 751, 385 Alpha, thin film, 1/10 DIN
41	1000 Ω , Platinum, 3 wire, IEC 751, 385 Alpha, thin film, Class A
49	1000 Ω , Platinum, 3 wire, IEC 751, 385 Alpha, thin film, 1/3 DIN
50	1000 Ω Platinum, 3 wire, IEC 751, 385 Alpha, thin film, 1/10 DIN
39	10,000 Ω Type 2, NTC Thermistor, $\pm 0.05^{\circ}\text{C}$
55	10,000 Ω , Type 2, NTC Thermistor, $\pm 0.03^{\circ}\text{C}$
40	10,000 Ω , Type 3, NTC Thermistor, $\pm 0.1^{\circ}\text{C}$
46	20,000 Ω , NTC Thermistor, $\pm 0.1^{\circ}\text{C}$

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

RoHS COMPLIANT

