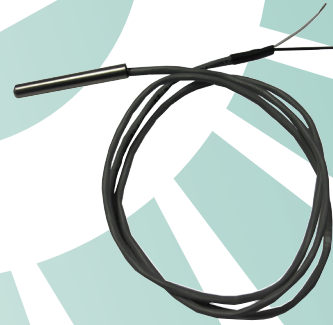




GREYSTONE ENERGY SYSTEMS INC

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 3.05 m (10'). All probes are constructed to provide excellent heat transfer, fast response and are potted to resist moisture penetration.



SPECIFICATION:

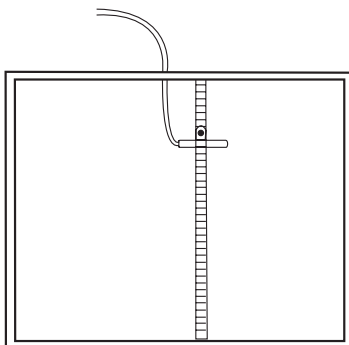
Sensor Type Various Thermistors or RTD
 Sensor Accuracy..... **RTD Class A:** $\pm 0.15^{\circ}\text{C}$ @ 0°C
 RTD 1/3 DIN: $\pm 0.1^{\circ}\text{C}$ @ 0°C
 RTD 1/10 DIN: $\pm 0.03^{\circ}\text{C}$ @ 0°C
 NTC Thermistor Type 39: $\pm 0.05^{\circ}\text{C}$, 0 to 70°C
 NTC Thermistor Type 55: $\pm 0.03^{\circ}\text{C}$, 0 to 70°C
 NTC Thermistor Type 40/46: $\pm 0.1^{\circ}\text{C}$, 0 to 70°C

Probe Sensing Range -20 to 60°C (-4 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 Length 50 mm (2") Long
 Probe Diameter 6 mm (0.236")
 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

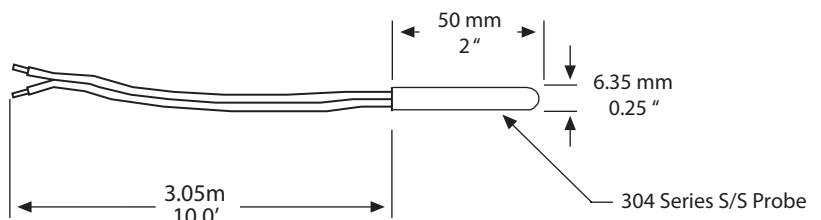
PRODUCT SELECTION INFORMATION:

MODEL	Product Description
HATSFLX	High Accuracy Flying Lead Temperature Sensor

CODE	Sensor
18X	1000 Ω Platinum, IEC 751, 385 Alpha, thin film, Class A
41X	1000 Ω , Platinum, 3 wire, IEC 751, 385 Alpha, thin film, Class A
49X	1000 Ω , Platinum, 3 wire, IEC 751, 385 Alpha, thin film, 1/3 DIN
50X	1000 Ω Platinum, 3 wire, IEC 751, 385 Alpha, thin film, 1/10 DIN
39X	10,000 Ω Type 2, NTC Thermistor, $\pm 0.05^{\circ}\text{C}$
55X	10,000 Ω , Type 2, NTC Thermistor, $\pm 0.03^{\circ}\text{C}$
40X	10,000 Ω , Type 3, NTC Thermistor, $\pm 0.1^{\circ}\text{C}$
46X	20,000 Ω , NTC Thermistor, $\pm 0.1^{\circ}\text{C}$
59X	10,000 Ω @ 25°C $\pm 1\%$, B = $3435 \pm 1\%$ (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

