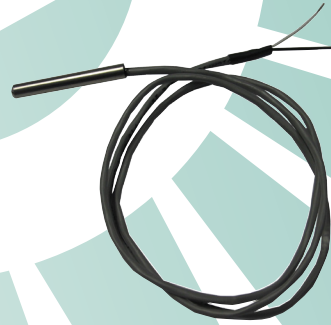




The high accuracy single point flying lead temperature sensor utilizes a precision sensor encapsulated in 6 mm (0.236") OD X 50 mm (2"), 304 series stainless steel probe. Standard wire length is 3.05 m (10'). All probes are constructed to provide excellent heat transfer, fast response and are potted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



### SPECIFICATION:

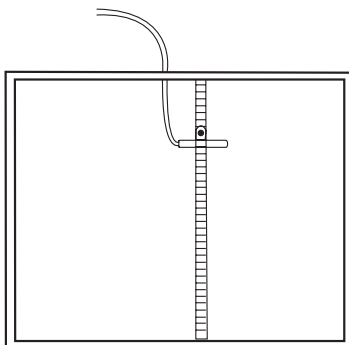
Sensor Type ..... Various Thermistors or RTD  
 Sensor Accuracy..... **RTD Class A:**  $\pm 0.15^{\circ}\text{C}$  @  $0^{\circ}\text{C}$   
                                   **RTD 1/3 DIN:**  $\pm 0.1^{\circ}\text{C}$  @  $0^{\circ}\text{C}$   
                                   **RTD 1/10 DIN:** 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

Probe Sensing Range ..... -20 to  $60^{\circ}\text{C}$  (-4 to  $140^{\circ}\text{F}$ )  
 Ambient Operating Range... -40 to  $50^{\circ}\text{C}$  (-40 to  $122^{\circ}\text{F}$ )  
 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 $\Omega$ Platinum, IEC 751, 385 Alpha, thin film, Class A
41X	1000 $\Omega$ , Platinum, 3 wire, IEC 751, 385 Alpha, thin film, Class A
49X	1000 $\Omega$ , Platinum, 3 wire, IEC 751, 385 Alpha, thin film, 1/3 DIN
50X	1000 $\Omega$ Platinum, 3 wire, IEC 751, 385 Alpha, thin film, 1/10 DIN
39X	10,000 $\Omega$ Type 2, NTC Thermistor, $\pm 0.05^{\circ}\text{C}$
55X	10,000 $\Omega$ , Type 2, NTC Thermistor, $\pm 0.03^{\circ}\text{C}$
40X	10,000 $\Omega$ , Type 3, NTC Thermistor, $\pm 0.1^{\circ}\text{C}$
46X	20,000 $\Omega$ , NTC Thermistor, $\pm 0.1^{\circ}\text{C}$

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

### DIMENSIONS:

