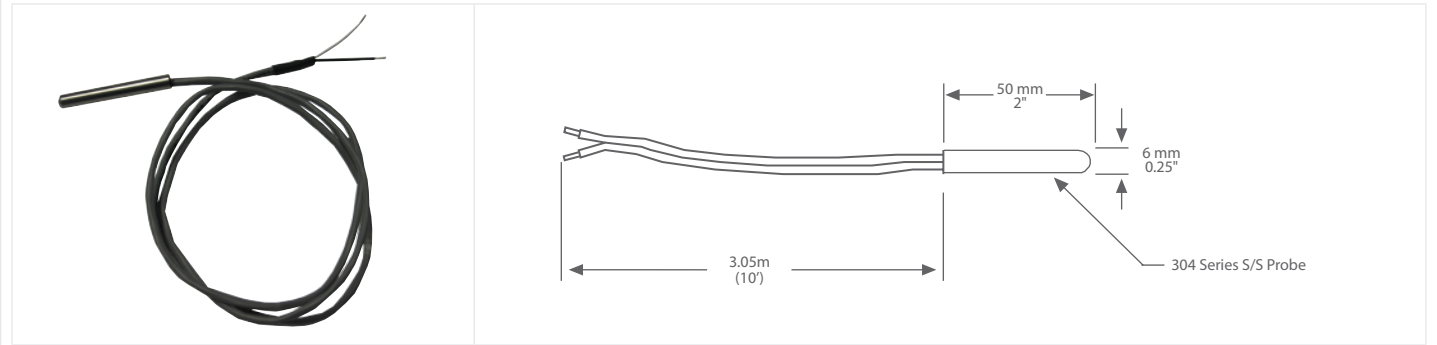




HIGH ACCURACY FLYING LEAD TEMPERATURE SENSOR



HATSFL SERIES

PRODUCT DESCRIPTION

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.

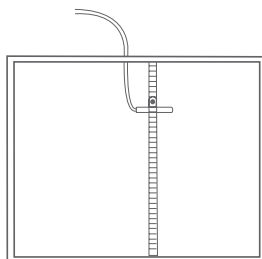
TYPICAL INSTALLATION

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	Various Thermistor or RTD
SENSOR ACCURACY	RTD Class A: $\pm 0.15^{\circ}\text{C}$ ($\pm 0.27^{\circ}\text{F}$) @ 0°C (32°F) RTD 1/3 DIN: $\pm 0.1^{\circ}\text{C}$ ($\pm 0.18^{\circ}\text{F}$) @ 0°C (32°F) RTD 1/10 DIN: $\pm 0.03^{\circ}\text{C}$ ($\pm 0.054^{\circ}\text{F}$) @ 0°C (32°F) NTC Thermistor Type 39: $\pm 0.05^{\circ}\text{C}$ ($\pm 0.09^{\circ}\text{F}$), 0 to 70°C (32 to 158°F) NTC Thermistor Type 55: $\pm 0.03^{\circ}\text{C}$ ($\pm 0.054^{\circ}\text{F}$), 0 to 70°C (32 to 158°F) NTC Thermistor Type 40/46: $\pm 0.1^{\circ}\text{C}$ ($\pm 0.18^{\circ}\text{F}$), 0 to 70°C (32 to 158°F)
PROBE SENSING RANGE	-40 to 60°C (-40 to 140°F)
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



NOTE: The sensor accuracies listed in the specifications section apply to the sensing element only prior to product assembly and may not be reflected in the complete assembly.

Due to the measurement uncertainty, it is possible, that the true resistance value of the single delivered sensor at 0°C can be out of the defined tolerance class. Profiling each assembly to take into consideration lead wire and the attachment method should be completed.

ORDERING

PRODUCT	HATSFLX	High Accuracy Flying Lead Temperature Sensor
SENSOR	18X 48X 22X 39X 55X 40X 46X	1000 Ω Platinum, 3 wire, IEC 751, 385 Alpha, thin film, Class A 1000 Ω Platinum, 3 wire, IEC 751, 385 Alpha, thin film, 1/3 DIN 1000 Ω Platinum, 3 wire, IEC 751, 385 Alpha, thin film, 1/10 DIN 10,000 Ω Type 2, NTC Thermistor, $\pm 0.05^{\circ}\text{C}$ 10,000 Ω Type 2, NTC Thermistor, $\pm 0.03^{\circ}\text{C}$ 10,000 Ω Type 3, NTC Thermistor, $\pm 0.1^{\circ}\text{C}$ 20,000 Ω NTC Thermistor, $\pm 0.1^{\circ}\text{C}$

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

PART NUMBER

HATSFLX