



HIGH ACCURACY FLYING LEAD TEMPERATURE SENSOR HATSFL Series

The HATSFL single point flying lead temperature sensor utilizes a high accuracy sensor encapsulated in 6.35 mm (0.25") 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 TypePlatinum RTD, 1000 Ω , 385 Alpha @ 0°C
NTC Thermistor, 10,000 Ω @ 25°C, Type 2 or 3
NTC Thermistor, 20,000 Ω @ 25°C

Temperature Range-20 to 60 °C (-4 to 140 °F)
Higher Ranges Available Contact Greystone

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 : $\pm 0.05^\circ\text{C}$, 0-70°C
NTC Thermistor Type 55 : $\pm 0.03^\circ\text{C}$, 0-70°C
NTC Thermistor Type 40/46 : $\pm 0.1^\circ\text{C}$, 0-70°C

Wire Material1.83 m (6') Plenum rated FT-6
22 AWG

Probe Material304 Series Stainless Steel

Probe Dimensions6.35 mm (0.25") D X 50 mm (2") L

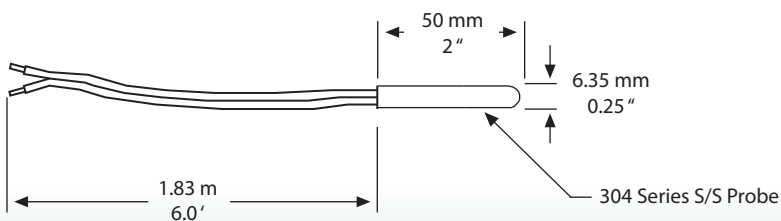
TerminationPigtail 2 or 3 wire

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.

Each remote enclosure style provides mounting tabs on the outside of the enclosure for ease of installation.



PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

CODE	Product Description
HATSFL	High Accuracy Flying Lead Temperature Sensor

CODE	Sensor
18	1000 Ω Platinum, 2 Wire, 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, $\pm 0.1^\circ\text{C}$

