



HIGH ACCURACY FLYING LEAD TEMPERATURE TRANSMITTER HATXFL Series

The HATXFL 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. A transmitter that provides a high precision signal with excellent long term stability, low hysteresis and fast response is provided.



SPECIFICATION:

Sensor.....	1000 ohm Platinum RTD
Accuracy.....	RTD Class A: ±0.15°C @ 0°C RTD 1/3 DIN: ±0.1°C @ 0°C RTD 1/10 DIN: ±0.03°C @ 0°C
Probe Sensing Range.....	-20 to 60°C (-4 to 140°F)
Wire Material.....	FT6, Plenum Rated Cable
Wire length.....	1.83 m (6')
Probe Material.....	304 series stainless steel
Probe Dimension.....	50 x 6.35 mm (2 x 0.25")
Output Signal.....	4-20mA current loop, 0-5 VDC, or 0-10 VDC (factory configured)
Transmitter Accuracy.....	±0.1% of span, including linearity
4-20 mA loop power supply.....	15-35 Vdc or 22-32 Vac
Minimum Current Loop.....	2 mA nominal (occurs with shorted sensor)
Maximum Current Loop.....	22.5 mA nominal (occurs with open sensor)
Maximum Loop Load.....	>600 ohms
0-5 Vdc Power Supply.....	10-35 Vdc or 10-32 Vac
0-10 Vcc Power Supply.....	15-35 Vdc or 15-32 Vac
Maximum Current (Voltage).....	5 mA nominal
Maximum Output (Voltage).....	limited at <5.5 Vdc for 0-5 Vdc, <10.5 for 0-10 Vdc
Input Voltage Effect.....	Negligible over specified operating range
RFI Rejection.....	Good RFI rejection of normal frequencies
Protection Circuitry.....	Reverse voltage protected and output limited
Ambient Range.....	0 - 70°C (32 - 158°F), 0-95% RH non-condensing
Enclosure.....	(A) ABS, UL94-5VB, IP61 (NEMA 2) (B)-ABS, UL94-5VB, IP65 (NEMA 4X) (C)- PVC, IP65 (NEMA 4X)
Wire Connections.....	Screw terminal block (14 to 22 AWG)

PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
HATXFL	High Accuracy Flying Lead Temperature Transmitter

CODE	Enclosure
A	ABS Enclosure
B	Round ABS, with gasket cover
C	PVC Weatherproof

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

CODE	Output
A	4-20 mA
D	0-5 Vdc
E	0-10 Vdc

CODE	Transmitter Calibrated Range
1	0-35°C (32-95°F)
2	0-50°C (32-122°F)
*	Custom Ranges Available

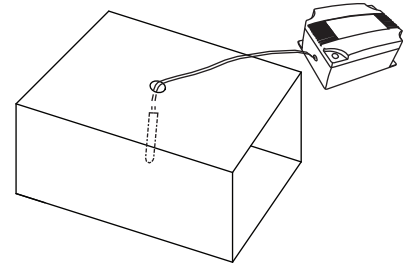
***CUSTOM SCALED TEMPERATURE RANGE**

TYPICAL INSTALLATION:

For complete installation and wiring details, please refer to the product installation instructions.

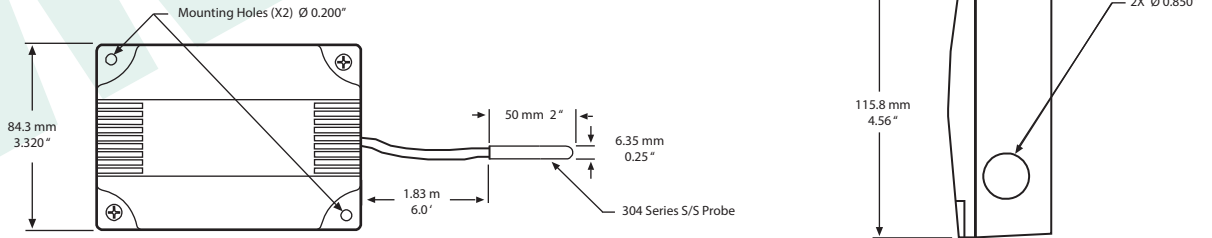
A typical application for the flying lead type probes is to monitor a single point temperature within the duct. Install the probe in a straight section of duct at a suitable distance downstream from any heating, cooling or humidification devices. Drill a 3/8 hole in the top of the duct and hang the sensor in the airstream.

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

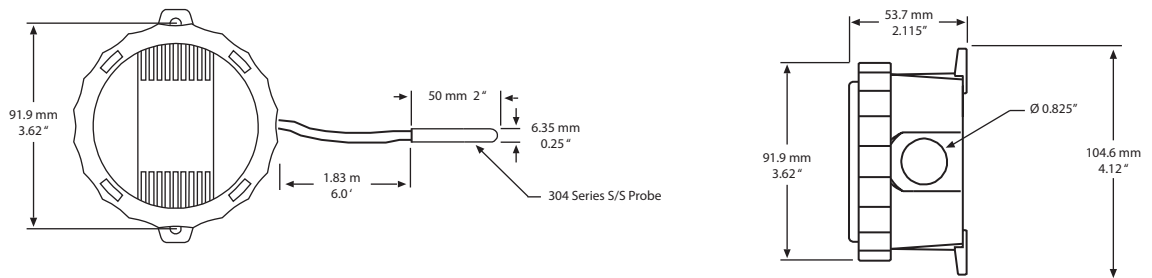


DIMENSIONS:

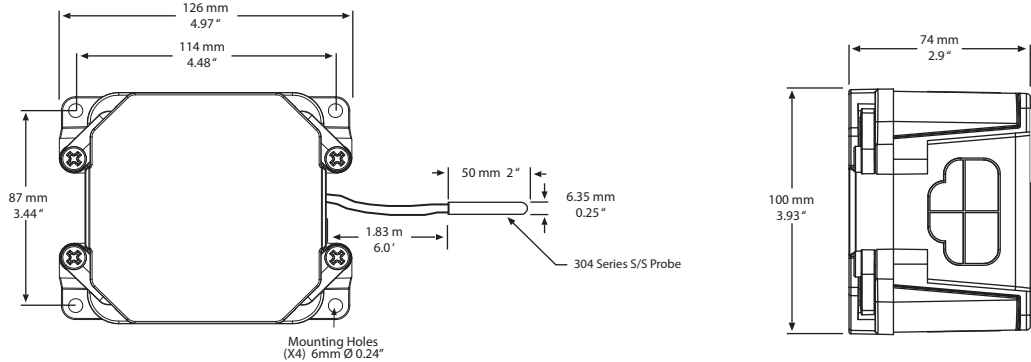
ABS Enclosure (A)



Round ABS Enclosure (B)



PVC Enclosure (C)



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



GREYSTONE
ENERGY SYSTEMS INC

Greystone Energy Systems, Inc.
150 English Drive, Moncton,
New Brunswick, 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



Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC/R sensors and transmitters for Building Automation Management Systems.

We have conscientiously established a worldwide reputation as an industry leader by maintaining leading-edge technology, prompt technical support, and a commitment to on-time deliveries. We take pride in our Quality Management System which is ISO 9001 certified, assuring our customers of consistent product reliability.

GREYSTONE HAS AN **ISO 9001** REGISTERED QUALITY SYSTEM