

HIGH ACCURACY FLYING LEAD TEMPERATURE TRANSMITTER **HATXFL** Series

The high accuracy single point flying lead temperature transmitter utilizes a precision sensor encapsulated in 6.00 mm (0.236") 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 Type1000 ohm Platinum RTD
Sensor AccuracyRTD 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 Range20 to 60°C (-4 to 140°F)
Wire MaterialFT-6 rated plenum cable, 22 AWG
Wire Length1.83 m (6')
Probe Material304 series stainless steel
Output Signal4-20 mA 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 Loop Current2 mA nominal (occurs with shorted sensor)
Maximum Loop Current22.5 mA nominal (occurs with open sensor)
Maximum Loop Load>600 ohms
0-5 Vdc Power Supply10-35 Vdc or 10-32 Vac
0-10 Vdc Power Supply15-35 Vdc or 15-32 Vac
Maximum Current (Voltage)5 mA nominal
Maximum Output (Voltage) limited to <5.5 Vdc for 0-5 Vdc, <10.5 for 0-10 Vdc
Input Voltage EffectNegligible over specified operating range
Protection CircuitryReverse voltage protected and output limited
Ambient Operating Range0 to 50°C (32 to 122°F), 0 to 95% RH non-condensing
Enclosure ABS - UL94-V0, IP65 (NEMA4X)
E - includes thread adapter (1/2" NPT to M16),
and cable gland fitting
Wiring ConnectionsScrew terminal block (14 to 22 AWG)
Country of OriginCanada

^{*}This product is factory calibrated and any field adjustment will void the warranty.

PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL		Product Description					
T	KFL	Flying Lead Temperature Transmitter					
		CODE	Enclosure				
		A E	ABS, with hinged & gasketed cover Same as A, with thread adapter & cable gland fitting				
			CODE	Sensor			
			18 48 22	1000 Ω , Platinum, 2 wire, IEC 751, 385 Alpha, thin film Class A 1000 Ω , Platinum, 2 wire, IEC 751, 385 Alpha, thin film 1/3 DIN 1000 Ω , Platinum, 2 wire IEC 751, 385 Alpha, thin film, 1/10 DIN			
				CODE	Output		
				A C E		4-20mA 0-5 Vdc 0-10 Vdc	
					CODE	Transmitter Calibrated Range	
					001 002 *	0 to 35°C (32 to 95°F) 0 to 50°C (32 to 122°F) Custom Ranges Available	
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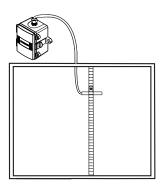
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TYPICAL INSTALLATION:

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.

The enclosure provides mounting tabs for ease of installation.













Included with E style enclosure









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 leadingedge design 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.

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