

HIGH ACCURACY FLEX-DUCT AVERAGE TEMPERATURE TRANSMITTER HATXDF Series

The high accuracy flexible, multi-point duct averaging mounted temperature transmitter is available with a selection of platinum RTD sensors and a transmitter that provides a high accuracy signal with excellent long term stability, low hysteresis and fast response. They are available with various scaled ranges. The sensing cable is constructed to provide excellent heat transfer, fast response time and is available in several lengths and quantity of sensing elements.



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)
Probe Wire MaterialFT-6 rated plenum cable, 22 AWG
Probe Lengths1800, 3600, 6100, 7200 mm (6', 12', 20', 24')
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 Supply15-35 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
Wiring ConnectionsScrew terminal block (14 to 22 AWG)
EnclosuresABS - UL94-V0, IP65 (NEMA4X)
E - includes thread adapter (1/2" NPT to M16),
and cable gland fitting
Country of OrignCanada

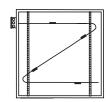
^{*}This product is factory calibrated and any field adjustment will void the warranty.

TYPICAL INSTALLATION:

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

The flex-duct average probes are installed through a hole in the side of the duct to monitor an average temperature within the duct. Select a probe length that allows for criss-crossing the duct multiple times. Install the probes in a straight section of duct at a suitable distance downstream from any heating, cooling or humidification devices.

The enclosure provides mounting tabs for ease of installation.



PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
HATXDF	High Accuracy Flexible Cable Duct Average Temperature Transmitter

	CODE	Enclosure	
	A E	ABS, with hinged & gasketed cover Same as A, with thread adapter & cable gland fitting	

Cable Length

1800 mm (6')

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

K	3600 mm 6100 mm 7300 mm	(12') (20')	(4 Sensors) (4 Sensors) (9 Sensors)
	CODE	· /	(9 Jensors)
	A D E	4-20mA 0-5 Vdc 0-10 Vdc	
		CODE	Scaled Range
		001 002 *	0 to 35°C (32 to 95°F) 0 to 50°C (32 to 122°F) Additional Ranges Available

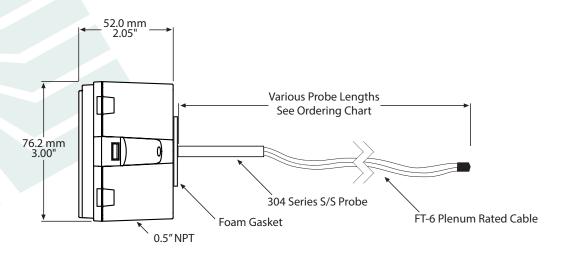
No. of Sensors

(4 Sensors)

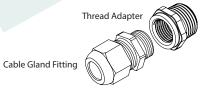
Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.







Included with E style enclosure





GREYSTONE

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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.