

HIGH ACCURACY DUCT AVERAGE TEMPERATURE SENSOR HATSDC Series

The high accuracy flexible multi-point duct averaging temperature sensor utilizes several precision sensors spaced at equal distances and encapsulated in a 7.94 mm (0.3125") OD, soft copper probe, it is available in various lengths (see ordering chart). All probes provide excellent heat transfer, fast response and resistance to moisture penetration.



SPECIFICATION:

	Various Thermistors or RTD
Sensor 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
	NTC Thermistor Type 39: ±0.05°C, 0 to 70°C
	NTC Thermistor Type 55: ±0.03°C, 0 to 70°C
	NTC Thermistor Type 40/46: ± 0.1 °C, 0 to 70°C
Probe Sensing Range	20 to 60°C (-4 to 140°F)
Ambient Operating Range	40 to 50°C (-40 to 122°F)
Wire Material	FT-6 rated Plenum cable, 22 AWG
Probe Material	Soft copper
Probe Diameter	7.94 mm (0.315")
Standard Lengths	1800, 3600, 6100, 7200 mm
	(6', 12', 20', 24')
Enclosure	ABS - UL94-V0, IP65 (NEMA4X)
	C - includes terminal block
	E - includes thread adapter (1/2" NPT to M16),
	cable gland fitting, and terminal block
Termination	A - Pigtail, 2 or 3 wire
	C & E - terminal block, 2 or 3 wire
Country of Origin	Canada

TYPICAL INSTALLATION:

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

The 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.

Each enclosure style provides mounting tabs for ease of installation.

PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

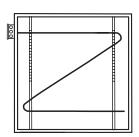
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	MODEL	Product Description
	HATSDC	High Accuracy Flexible Copper Duct Average Temperature Sensor

CODE	Enclosure		
A C E	ABS, with hinged & gasketed cover Same as A, with terminal block Same as C, with thread adapter and cable gland fitting		
	CODE Sensor		

1	CODE	Sensor
	18	1000 Ω Platinum, IEC 751, 385 Alpha, thin film, Class A
	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, ±0.05°C
	55	10,000 Ω, Type 2, NTC Thermistor, ±0.03°C
	40	10,000 Ω, Type 3, NTC Thermistor, ±0.1°C
	46	20,000 Ω, NTC Thermistor, ±0.1°C

CODE	Probe Length
1	1800 mm (6')
J	3600 mm (12')
K	6100 mm (20')
L	7300 mm (24')

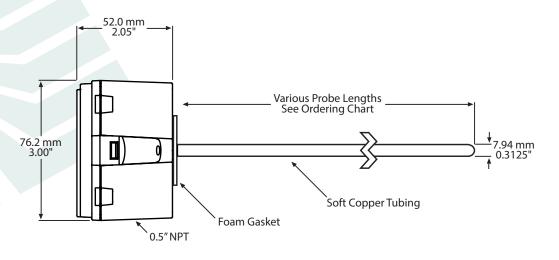
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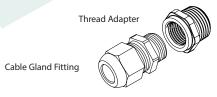








Included with E style enclosure



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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.