

HIGH ACCURACY OUTSIDE TEMPERATURE / HUMIDITY TRANSMITTER HAHTOS Series

The HTOS series uses a highly accurate and reliable Thermoset Polymer based capacitance humidity sensor and Platinum RTD temperature sensor together with state-of-the-art digital linearization and temperature compensated circuitry to monitor humidity levels. A hinged, gasketed weatherproof Polycarbonate enclosure provides easy of installation and protection from the elements.

SPECIFICATIONS:

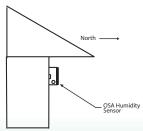
Humidity Sensor Type	Thermoset Polymer based capacitive
Accuracy	±1% (20 to 80 %RH) or ±2% (5 to 95 %RH)
Measurement Range	0 to 100% RH
Hysteresis	±1.5% RH maximum
Repeatability	±0.5% RH typical
Linearity	±0.5% RH typical
Sensor Response Time	15 seconds typical
Stability	±1% RH typical at 50% RH in 5 yrs.
Operating Temperature	40° to 85°C (-40° to 185°F)
Operating Humidity	0 to 95% RH non-condensing
Power Supply	18 to 35 Vdc, 15 to 26 Vac
Consumption	22 mA maximum
Input Voltage Effect	Negligible over specified operating range
Protection Circuitry	Reverse voltage protected & output limited
Output Signals	4-20 mA, 0-5 or 0-10 Vdc
Output Drive at 24 Vdc	Current: 550 ohms max,
	Votlage: 10K ohms min
	Clearly marked ZERO and SPAN pots
Wiring Connections	Screw terminal block (14 to 22 AWG)
Enclosures	Grey polycarbonate with gasket,
	UL94-V0, IP65 (NEMA 4X)
	117 W x 102 H x 53 D mm (4.6" x 4.0" x 2.1")
	220g (7.8 oz) including Probe
Country of Origin	
TEMPERATURE SENSOR OP	TIONS
/1	Platinum RTD 1000 Ω, 385 Alpha @ 0°C
Accuracy	
	RTD 1/3 DIN: ±0.1°C @ 0°C
	RTD 1/10 DIN: ±0.03°C @ 0°C

TYPICAL INSTALLATION:

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

The humidity and temperature transmitter should be mounted on an outside North facing wall, under the eaves which will provide protection from direct sunlight and wind.

The humidity and temperature transmitter can be mounted directly to buildings wall face using the four provided mounting holes. There is a 0.85" hole for conduit connection on rear of enclosure.





PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

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МО	DEL	Produ	ıct De	escrip	tion							
HAH	TOS	High Accuracy Outside Air - Humidity/Temperature Transmitter Series										
4	B Polycarbonate with hinged and gasketed cover											
				CODE RH Accura				су				
					1 2	1% 2%						
						со	ODE High Accuracy Temp Sensor					
						1 4 2		1000 Ω Pla	000 Ω Platinum, IEC 751, 385 Alpha, thin film, Class A 000Ω Platinum, IEC 751, 385 Alpha, thin film, 1/3 DIN 000 Ω Platinum, IEC 751, 385 Alpha, thin film 1/10 DIN			
		CODE Output Signals (RH and				gnals (RH and Temp)						
			A 4 - 20 mA D 0 - 5 Vdc E 0 - 10 Vdc									
									CODE	Temperature Span		
									001 002 003 006	0°C - 35°C (32°F - 95°F) 0°C - 50°C (32°F - 122°F) 0°C - 100°C (32°F - 212°F) -50°C - 50°C (-58°F - 122°F)		
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Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.



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

GREYSTONE

ENERGY SYSTEMS INC

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.