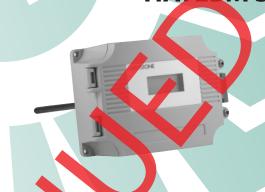


HIGH ACCURACY DUCT TEMPERATURE TRANSMITTER WITH LCD **HATLBM Series**

The HATLBM single point duct temperature transmitter incorporates a high accuracy platinum RTD encapsulated in a 6.35 mm (0.25") OD, 304 stainless steel probe and is available in various lengths. All probes provide excellent heat transfer, fast response and resist moisture penetration. A transmitter that provides a high accuracy signal with excellent long term stability, low hysteresis and fast response is available with various ranges. A LCD is provided in either °C or °F.



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 105°C (-4 to 221°F)
Wire Material	PVC insulated, parallel bonded
Probe Material	304 Series Stainless Steel
Probe Dimension	6.35 mm (0.25") Diameter
Output Signal	4-20mA current loop, 0-5 vdc, or 0-10 Vdc (factory configured)
Transmitter Accuracy	±0.25% of span, including linearity
Power Supply	4-20 mA: 15-35 Vdc or 22-32 Vac 0-5 Vdc: 10-35 Vdc or 10-32 Vac 0-10 Vdc: 15-35 Vdc or 15-32 Vac
Consumption	Current: 22.5 nA Max (On open sensor) Voltage: 5 nA nominal
Input Voltage Effect	Negligible over specified operating range
·	Good RFI rejection of normal frequencies
Protection Circuitry	Reverse voltage protected and output limited
Display Units	°C or °F (factory configured)
Display Range	necessary
Display Size	24 mm x 11 mm 0.95" x 0 45")
Ambient Operating Range	0 - 70°C (32 - 158°F), 0 - 95% RH non-condensing
Enclosure	Grey ABS, UL94-V0, IP65 (NEMA 4X)
Wiring Connections	Screw terminal block (14 to 22 AWG)

PART NUMBER SELECTED

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ODEL		Product Description											
ATLBM	High Accuracy Direct Temperature Transmitter with LCD Display												
		DE	LCD Dicplay Celcius Fahrenheit										
			COI	3	1000 Ω Platinum, IEC 751, 385 Alpha, thin film, Class A								
				 1000 Ω Platinum, IEC 751, 385 Alpha, thin film, 1/10 DIN 1000 Ω Platinum, IEC 751, 385 Alpha, thin film, 1/3 DIN 									
		·			co	ODE	Pro	be Le	nath				
						A 50 mm (2") B 100 mm (4") C 150 mm (6") D 200 mm (8") E 300 mm (12") F 450 mm (18")							
							со	DE	Output				
									4-20 mA 0-5 Vdc 0-10 Vdc				
									CO E	DE	Output 0-35°C (32-95°F)		
									2 3 *		0-50°C (32-122°F) 0-100°C (32-212°F) Custom Ranges Available		
				,				, '					







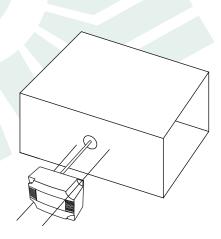


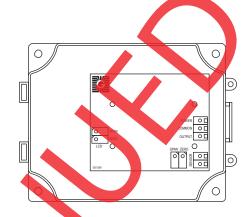
TYPICAL INSTALLATION:

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

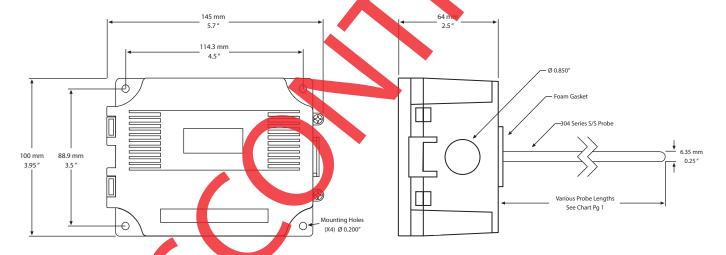
The duct type probes are installed through a hole in the side of the duct to monitor a single point temperature within the duct. Since the probes are tip sensitive, select a probe length that places the sensor well into the duct. Install the probe in a straight section of duct at a suitable distance downstream from any heating, cooling or humidification devices.

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





DIMENSIONS:



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



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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.