



Airflow Transmitter AT400

Last Update: August 29th, 2013

General Characteristics of Kanomax Airflow Transmitter AT400

The Kanomax Airflow Transmitter AT400 is specially designed for monitoring the Indoor Air Quality in the air conditioning, heating, and ventilation industry.

This unit has been updated to use the Premier Series cabling and probe connections.

The Kanomax Airflow Transmitter AT400 allows Simultaneous measurement of air velocity and temperature.

Kanomax AT-400 and TAT-420 air velocity transmitters supply accurate air velocity and TAT420 accurate temperature from a building or process airflow on a continuous basis to a computer, chart recorder, printer, and meter or control circuit.

The heavy, all metal probe can be used for airstreams that have a wide range of humidity, temperature and contaminants without compromising accuracy.

The Kanomax AT-400 and TAT-420 air velocity transmitters have terminals for both DC and AC power, and 0-1V, 0-5V and 4-20mA outputs.

These units also have available options as LCD Display and RS232C Data Link.

The Kanomax Airflow Transmitter AT400 includes:

Base Unit, Probe, Probe cable, Operation Manual, Calibration Certificate.

Please specify types of output 4-20mA, 0-1VDC, or 0-5VDC when you place order.

Click on DataSheet for more product details.

Product Applications of Kanomax Airflow Transmitter AT400

The Kanomax Airflow Transmitter AT400 provides simultaneously measures and displays air flow, temperature and humidity.

The Kanomax Airflow Transmitter AT400 is recommended for Product Line Quality application, Control PCB Temperature Monitoring, Air Velocity Monitor for Local, Exhaust Ventilation and Filter residential air ventilation monitoring.

Warranty of Kanomax Airflow Transmitter AT400

The Kanomax Airflow Transmitter AT400 has 1 year manufacturer's warranty.





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Technical Characteristics of Kanomax Airflow Transmitter AT400

VentDepot Item #	Kanomax Model No	Description	Air Temperature Range		Weight		Size (L,W,H)	
			min	max	(lb)	(kg)	(in)	(cm)
USTRA-001	AT400, 4-20mA	Transmitter, 2.75" Vane, Velocity, Pressure, 5FT Cable, 4-20mA	-	-	8	4	4, 4, 3	11, 11, 8
USTRA-002	AT400-100, 4-20mA	Transmitter, 1" Vane, Velocity, Pressure, 5FT Cable, 4-20mA	-	-	8	4	4, 4, 3	11, 11, 8
USTRA-003	TAT420, 4-20mA	Transmitter, 2.75" Vane, Velocity, Pressure, Temperature, 5FT Cable, 4-20mA	-4°F, -20°C	176°F, 80°C	8	4	4, 4, 3	11, 11, 8
USTRA-004	TAT420-100, 4-20mA	Transmitter, 1" Vane, Velocity, Pressure, Temperature, 5FT Cable, 4-20mA	-4°F, -20°C	176°F, 80°C	8	4	4, 4, 3	11, 11, 8
USTRA-005	THT500, 4-20mA	Transmitter, Relative Humidity, Pressure, Temperature, 5FT Cable, 4-20mA	32 °F, 0° C	122°F, 50°C	8	4	4, 4, 3	11, 11, 8
USTRA-006	AT400, 0-1VDC	Transmitter, 2.75" Vane, Velocity, Pressure, 5FT Cable, 0-1VDC	-	-	8	4	4, 4, 3	11, 11, 8
USTRA-007	AT400-100, 0-1VDC	Transmitter, 1" Vane, Velocity, Pressure, 5FT Cable, 0-1VDC	-	-	8	4	4, 4, 3	11, 11, 8
USTRA-008	TAT420, 0-1VDC	Transmitter, 2.75" Vane, Velocity, Pressure, Temperature, 5FT Cable, 0-1VDC	-4°F, -20°C	176°F, 80°C	8	4	4, 4, 3	11, 11, 8
USTRA-009	TAT420-100, 0-1VDC	Transmitter, 1" Vane, Velocity, Pressure, Temperature, 5FT Cable, 0-1VDC	-4°F, -20°C	176°F, 80°C	8	4	4, 4, 3	11, 11, 8
USTRA-010	THT500, 0-1VDC	Transmitter, Relative Humidity, Pressure, Temperature, 5FT Cable, 0-1VDC	32 °F, 0° C	122°F, 50°C	8	4	4, 4, 3	11, 11, 8
USTRA-011	AT400, 0-5VDC	Transmitter, 2.75" Vane, Velocity, Pressure, 5FT Cable, 0-5VDC	-	-	8	4	4, 4, 3	11, 11, 8
USTRA-012	AT400-100, 0-5VDC	Transmitter, 1" Vane, Velocity, Pressure, 5FT Cable, 0-5VDC	-	-	8	4	4, 4, 3	11, 11, 8
USTRA-013	TAT420, 0-5VDC	Transmitter, 2.75" Vane, Velocity, Pressure, Temperature, 5FT Cable, 0-5VDC	-4°F, -20°C	176°F, 80°C	8	4	4, 4, 3	11, 11, 8
USTRA-014	TAT420-100, 0-5VDC	Transmitter, 1" Vane, Velocity, Pressure, Temperature, 5FT Cable, 0-5VDC	-4°F, -20°C	176°F, 80°C	8	4	4, 4, 3	11, 11, 8
USTRA-015	THT500, 0-5VDC	Transmitter, Relative Humidity, Pressure, Temperature, 5FT Cable, 0-5VDC	32 °F, 0° C	122°F, 50°C	8	4	4, 4, 3	11, 11, 8

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Product Specifications of Kanomax Airflow Transmitter AT400

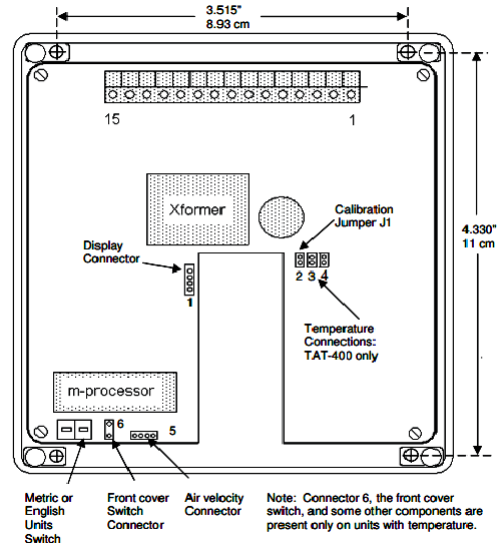
Model		
Sensors	Temperature	PT100 RTD
	Air Velocity	Metal rotating vane 1 in or 2 ¾ in
Range	Temperature	-4° to 176°F (-20° to 80°C)
	Air Velocity	1 in Probe: 300-6890 FPM, 1.5-35 MPS 2 ¾ in Probe: 40-7800 FPM, 0.2-40 MPS
Accuracy	Temperature	±0.5°C
	Air Velocity	1" Probe: ±0.5% full scale +0.75% reading + 1 digit 2 ¾" Probe: ±1%+1 digit
Response Time	Temperature	60 sec
	Air Velocity	2 second average and update
Analog Outputs	Temperature	0-1V, 0-5V and 4-20mA represent -4 to 176°F or -20° to 80°C
	Air Velocity	0-1V, 0-5V and 4-20mA represent 0-6800FPM (0-35MPS) for the 1 in probe and 0-7800FPM (0-40MPS) for the 2 ¾ in probe
Operating Range		-4° to 176°F transmitter -22° to 212°F probe
Input Current		10-30VDC: AT-400: 22mA, TAT-420: 43mA 110VAC: AT-400: 19mA, TAT-420: 21mA 220VAC: AT-400: 10mA, TAT-420: 11mA
Enclosure		ABS plastic NEMA Class 4
Operating Environment	Main Unit	41 to 104°F or 5 to 40°C
	Probe	-4 to 113°F or -20 to 45°C
	Storage Temperature	14 to 122°F or -10 to 50°C
Dimensions	Housing	5 in, 5 in, 2 in
	Probe	1 in or 2 ¾ in
	Weight	18 ounces
Cable Lengths	For Probe and RS-232 Cables	RS-232C port: 4 wire: TXD, CTS, RTS, and GND RS-232 serial port cable: 9 pin D-Sub connector



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Photo Gallery of Kanomax Airflow Transmitter AT400



All metal probe can be used for airstreams that have a wide range of humidity, temperature and contaminants humidity

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