

Air Velocity, Air Temperature,  
Relative Humidity,  
Differential Pressure

# Climomaster Series

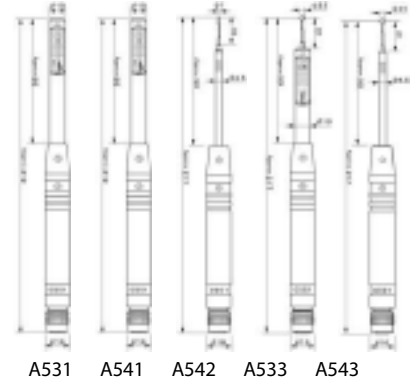
NIST Traceable



## Multi-Function Thermal Anemometer



Ventilation Testing  
Laboratory Control  
Cleanrooms  
IAQ Investigation  
Industrial Hygiene  
Quality Control



**Features:**

- Probe Compatibility feature allows utilization of a spare probe
- Detachable probe allows for easy replacement, and for compatibility with multi-function thermo anemometers
- Automatic Flow Rate Calculation function
- RS232C terminal for data logging
- Stores up to 1500 measurement data
- Differential Pressure available as an option

**Benefits:**

- If you have more than one unit, detachable probe allows you to share the main unit or the probe.
- Gives automatic flow rate readings by registering duct sizes (up to 25 duct sizes).
- Well designed software allows you to access the data instantly.
- You can store the data or upload it to your PC via RS232C cable and software (both optional)

**Specifications**

Model		A531	A541	A542	A533	A543
Air Velocity Range		20 to 6000fpm (0.10 to 30.0m/s)			10 to 1000fpm (0.05 to 5.00m/s)	
Air Temperature Range		32.0 to 140.0°F (0.0 to 60.0°C)				
Relative Humidity Range		2.0 to 98.0%RH	--	2.0 to 98.0%RH		--
Differential Pressure (Option)		-5.00 to +5.00kPa				
Accuracy		Velocity: +/-2% of reading or +/-3fpm (+/-0.015m/s) whichever is greater Air Temperature: +/- 1 °F (+/-0.5 °C) Relative Humidity: +/-2.0%RH from 2 to 80%RH, +/-3%RH from 80 to 98%RH Differential Pressure: +/- (3% of reading +0.01)kPa				
Output	Digital	RS-232C (Baud Rate 4800, 9600, 19200 and 39400bps)				
	Analog	DC0-1V (Select from Air Velocity, Air Temperature, Relative Humidity and Pressure)				
Power Supply		6 x 1.5V AA Batteries, AC Adapter (Optional): AC100-240V				
Battery Life		Approx. 10hrs. Continuous at 984fpm (5m/s), 68°F (20°C) with alkaline batteries				
Operating Environment	Main Unit	41 to 104°F (5 to 40°C)				
	Probe	32 to 140°F (0 to 60°C)				
Storage Environment		41-104°F (5 to 40°C)				
Weight		Approx. 0.9lbs (400g)				
Standard Kit		Carrying Case, Operation Manual, AA Batteries, Probe Cable				
Optional Accessories		Spare Probe, Analog Output, Pressure Sensor, Extension Rod, Printer, Printer Cable, Communication Cable, Software (for Windows), AC Adapter: AC100-240V 50/60Hz				

**Selection Guide**

Model	Measuring Range	Probe Type	Directivity	Velocity & Temp.	Relative Humidity
A531	20 - 6,000 fpm	Rod	Mono	?	?
A541	20 - 6,000 fpm	Rod	Mono	?	×
A542	20 - 6,000 fpm	Needle	Omni	?	×
A533	10 - 1,000 fpm	Spherical	Omni	?	?
A543	10 - 1,000 fpm	Spherical	Omni	?	×



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