

## ***Anemomaster Model A031 Series***

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***HVAC Testing***  
***IAQ Investigations***  
***Filter Face Velocity***  
***Measurements***  
***Cleanroom Studies***  
***Industrial Hygiene***



### ***Features***

- Single probe capable of measuring air velocity and temperature simultaneously.
- Built-in memory allows you to store measurement data.
- Highly visible LCD capable of displaying air velocity and temperature simultaneously.
- RS232 and Analog (option) outputs available.

### ***Benefits***

- Data can be reviewed on-screen, printed or downloaded to a computer.
- Articulating probe for various applications.
- Etched length marks on the telescopic probe make duct traverse measurements easier.
- Telescopic probe for hard-to-reach area and in-duct measurements.
- Built in RS232C transmission port allows connection for external data processing.

# Specifications

Parameter		Imperial	Metric
Air Velocity	Range	20-6,000fpm	0.10 to 30.0 m/s
	Accuracy	+/- 3% of reading or +/-3 fpm whichever is greater	+/- 3% of reading or +/-0.015 m/s whichever is greater
	Resolution	1 fpm	0.01m/s: from 0 to 9.99m/s 0.1m/s: from 10.0 to 30.3m/s
Volumetric Flowrate	Range	At 20 fpm: 9031 ft <sup>3</sup> /min At 6000 fpm: 2,709,360 ft <sup>3</sup> /min	At 0.1m/s: 2341m <sup>3</sup> /s At 30m/s: 702.270m <sup>3</sup> /s
Air Temperature	Range	-4 to 140.0 °F	-20 to 60.0 °C
	Accuracy	+/- 1 °F	+/- 0.3 °C
	Resolution	0.1 °F	0.1 °C
Differential Pressure (Optional)	Range	-5.00 to + 5.00kPa	
	Accuracy	+/- (3% of reading + 0.01)kPa	
	Resolution	0.01kPa	
Output	Digital	RS232C (Baud rate 4800, 9600, 19200 and 38400 bps)	
	Analog (Optional)	DC 0-3V (Select from Air Velocity, Air Temperature and Pressure)	
Power Supply		6 x 1.5V AA batteries (AC adaptor: AC90-240V/Optional)	
Data Storage		Timed and multipoint average calculation Total of 800 data for Velocity and Temperature Volumetric Flowrate and Temperature / Pressure	
Probe	Straight Probe Model A031/A041	Length: 39.4in.(100 cm) – Telescopic Diameter of Tip: 0.236in. (6.0mm), Diameter of Base: 0.472in.(12.0mm)	
	Articulating Probe Model A034/A044	Length: 39.4in.(100 cm) – Telescopic Diameter of Tip: 0.236in. (6.0mm), Diameter of Base: 0.472in.(12.0mm), Articulating section length: 3.543in.(90.0mm)	
Accessories		Carrying case, Operation manual, 6 x AA Batteries, RS-232C cable, Software (for Windows), AC adaptor	
Options		Analog output, Printer, AC adaptor (for Printer)	



**For safe and trouble-free operations, please read Operation Manual carefully before using the instrument.**



Kanomax USA, Inc.  
P.O. Box 372, 219 Route 206  
Andover, N.J. 07821 U.S.A.  
Phone: 1-800-247-8887 Fax: 973-786-7586  
E-mail: info@kanomax-usa.com  
URL: www.kanomax-usa.com

Kanomax Japan, Inc.  
2-1 Shimizu, Suita  
Osaka, 565-0805 Japan  
Phone: +81-6877-0183 Fax: +81-6-6879-2080  
E-mail: sales@kanomax.co.jp  
URL: www.kanomax.co.jp