

Air Velocity, Air Temperature,
Relative Humidity,
Differential Pressure

Anemomaster Model A031 Series

NIST Traceable



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 storage of measured data
- Highly- visible LCD is capable of displaying air velocity and temperature simultaneously
- RS232 and Analog (option) outputs are available

Benefits:

- Data can be reviewed on-screen, printed, or downloaded to a computer
- Articulating probe for various applications
- Telescopic probe for hard-to-reach areas and in-duct measurements
- Etched length increments on the telescopic probe make duct traverse measurements easier



Specifications

Air Velocity	Range	20-6000fpm (0.10-30.0m/s)
	Accuracy	+/-3% of reading or +/-3fpm whichever is greater (+/-3% of reading or +/-0.015m/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		At 20 fpm: 9031 ft ³ /min, at 6000 fpm: 2,709,360 ft ³ /min (At 0.1m/s: 2,341m ³ /s, At 30 m/s: 702,270 m ³ /s)
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 (Option)	Range	-5.00 to + 5.00kPa
	Accuracy	+/- (3% of reading + 0.01)kPa
	Resolution	0.01kPa
Output	Digital	RS 232C (Baud rate 4800, 9600, 19200 and 38400 bps)
	Analog	DC 0-3 V (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: 39.4 in. (100 cm)- Telescopic / Diameter of Tip: 0.236 in. (6.0mm), Diameter of Base: 0.472 in. (12.0 mm)
	Articulating Probe Model A034/A044	Length: 39.4 in. (100 cm)- Telescopic / Diameter of Tip: 0.236 in. (6.0mm), Diameter of Base: 0.472 in. (12.0 mm) Articulating section length: 3.543 in. (90.0 mm)
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)