

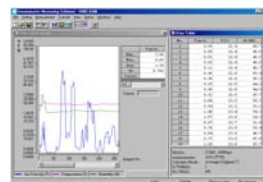
Climomaster™ Model A531 Series



Multi-function hot-wire Anemometer with detachable compatible probes

Features:

- Simultaneously measures and displays air velocity, flow rate, humidity, temperature, and differential pressure
- Simultaneous display of temperature and airflow or air velocity
- Airflow rate calculation based on registered duct size
- Data HOLD function, Record and recall MAX / MIN / AVG
- Store up to 1500 measurements
- 5 interchangeable probes are available for various applications
- Smart probe technology: easy probe replacement without recalibration of the main unit
- Includes telescopic probe with 79 in (200cm) cable, Data processing software, RS232C cable, AC adapter, 6 pc. AA batteries, and carrying case



Optional data processing software allows real-time measuring and downloading data to your PC



As well as HVAC testing, Climomaster and its probes are suitable for IAQ investigation, laboratory control, cleanroom control, and industrial applications, such as automotive.

Main Unit Specifications

Model	A531 / A541 / A542 / A533 / A543
Air Velocity Ranges	Varies by Model, See below for Probe Specifications
Accuracy	+/- 2% of reading
Temperature Ranges	32 to 212°F (0 to 100°C)
Accuracy	+/- 1.0°F (0.5°C)
Relative Humidity Ranges	Varies by Model, See below for Probe Specifications
Accuracy	+/- 2% of reading
Differential Pressure Ranges	+/- 5.00 kPa *Option
Accuracy	+/- 3% of reading
Interface	RS232C
Datalogging	1500 measurements
Analog Output	0 to 1 V *Option
Power Supply	6 x AA Batteries or AC Adapter
Dimensions	W3.4" x H7.4" x D1.6"
Weight	0.9 lbs (400 g)

Probe Specifications

					
Model	A531-01	A541-01	A542-01	A533-01	A543-01
Probe Type	Uni-Directional	Uni-Directional	Omni-Directional	Omni-Directional	Omni-Directional
Air Velocity	20 to 6000 fpm (0.10 to 30.0 m/s)	20 to 6000 fpm (0.10 to 30.0 m/s)	20 to 6000 fpm (0.10 to 30.0 m/s)	10 to 1000 fpm (0.05 to 5.00 m/s)	10 to 1000 fpm (0.05 to 5.00 m/s)
Temperature	32 to 140°F (0 to 60°C)	32 to 140°F (0 to 60°C)	32 to 140°F (0 to 60°C)	32 to 140°F (0 to 60°C)	32 to 140°F (0 to 60°C)
Relative Humidity	2.0 to 98.0 %RH	n/a	n/a	2.0 to 98.0 %RH	n/a

NIST Certificate

- AFCAL-VT:** NIST Certificate with velocity and temperature data
AFCAL-VTH: NIST Certificate with velocity, temperature, and humidity data
AFCAL-P: NIST Certificate with pressure data



Accessories

- 6531-04:** Telescopic Extension Rod (Flex-Neck)
6531-05: Telescopic Extension Rod (Straight)
6531-06-11: Probe Cable (2, 5, 10, 20 m)
6531-07: Pressure Sensor
6531-08: Analog Output
5600-00: Data Processing Software (for Windows)
6000-02: Communication Cable to PC (RS232C)
DPU-H245: Portable Thermal Printer
6000-03: Printer Cable for DPU-H245
TP-202L: Rolled Printer Paper (10 rolls)
6000-04: Carrying Case



6000-04