



**KANOMAX**  
The Ultimate Measurements

# New Climomaster™

Climomaster™ Model 6501 Series

## Multi-function hot-wire anemometer with detachable compatible probes

The new Climomaster™ is the most accurate hot-wire anemometer of its kind. It offers research-grade accuracy at an affordable, industry competitive price. Kanomax ensures the high accuracy of this anemometer with over 60 years experience, a special platinum-coated sensor that improves stability and durability, and a production facility that uses multiple types of wind tunnels. This combination guarantees the accuracy and reliability of our products. A high degree of accuracy is essential for applications such as cleanroom certifications, laminar flow measurements, and R&D product development.

## Applications

- HVAC Testing
- IAQ Investigations
- Critical Environment Certification
- HEPA Filter Performance Testing
- Turbulent Air Testing
- Manufacturing Process Control



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## Features & Benefits

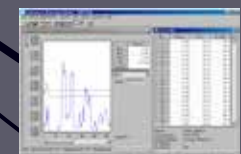
- 2% air velocity accuracy: highest accuracy on the market.
- Now equipped with an automatic atmospheric pressure compensation function for precise airflow measurement
- Wide range of probe choices for challenging applications.
- Sleek, ergonomical design with an anti-slip grip and highly visible backlit display.
- Research quality at a contractor-friendly price.
- Extended 2 year warranty.
- Generous datalogging capacity (up to 20000 records) and USB interface make it easy to upload to your PC or laptop.
- Optional Windows 7 compatible software provides real-time graphical display of data for field analysis.
- Now tracks its own calibration cycle. It will now remind you when it is due for calibration.
- Optional hands-free carrying case is available.
- Includes probe with 79 in (200cm) cable, USB cable, 6 pcs. AA batteries, carrying case, and NIST Certificate



Hands-free case now available!



Expanded Eight Air Velocity Probe Line-up



Windows 7 Compatible Software is available

# Climomaster™ Specifications

|                              |  |  |
|------------------------------|--|--|
| <b>Air Velocity</b>          | <b>Range</b><br><b>Accuracy</b><br><b>Resolution</b> | 2 to 9840 FPM (0.01 to 50.0 m/s) *Varies by probe<br>+/- 2% of reading or 0.015 m/s whichever is greater<br>0.01 m/s (0.01 to 9.99 m/s), 0.1 m/s (10.0 to 50.0 m/s)      |
| <b>Temperature</b>           | <b>Range</b><br><b>Accuracy</b><br><b>Resolution</b> | -4 to 158°F (-20 to 70°C)<br>+/- 1.0°F (0.5°C)<br>1.0°F (0.1°C)  |
| <b>Humidity</b>              | <b>Range</b><br><b>Accuracy</b><br><b>Resolution</b> | 2.0 to 98.0 %RH *Varies by probe<br>+/- 2.0 %RH<br>0.1 %RH   |
| <b>Pressure (Option)</b>     | <b>Range</b><br><b>Accuracy</b><br><b>Resolution</b> | -5.00 to +5.00 kPa<br>+/- (3% of reading + 0.01) kPa<br>0.01 kPa   |
| <b>Interface</b>             | <b>Digital</b><br><b>Analog (Option)</b>             | USB and RS232C (for print-out)<br>DC 0 to 1 V (select one from Air Velocity, Temp, Humidity and Pressure)  |
| <b>Data Storage Capacity</b> |  | Up to 20,000 records   |
| <b>Power Supply</b>          |  | 6 x AA batteries or AC Adapter   |
| <b>Operation Range</b>       | <b>Main Unit</b><br><b>Probe</b><br><b>Storage</b>   | 41 to 104°F (5 to 40°C) with no visible condensation<br>-4 to 158°C (-20 to 70°C) with no visible condensation<br>14 to 122°C (-10 to 50°C) with no visible condensation |
| <b>Weight</b>                |  | 0.9 lbs (400 g)  |
| <b>Dimensions</b>            |  | Main Body: 3.4 x 7.4 x 1.6 inches (88 x 188 x 41 mm)   |
| <b>Warranty</b>              |  | 2 years  |



# Climomaster™ Probe Specifications

|                          |                 |                 |                 |                  |                  |                  |                |                |
|--------------------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|----------------|----------------|
|                          |                 |                 |                 |                  |                  |                  |                |                |
| <b>Model</b>             | 6531-2G         | 6541-2G         | 6561-2G         | 6542-2G          | 6533-2G          | 6543-2G          | 6551-2G        | 6552-2G        |
| <b>Probe Type</b>        | Uni-Directional | Uni-Directional | Uni-Directional | Omni-Directional | Omni-Directional | Omni-Directional | Mini-Spherical | Mini-Spherical |
| <b>Air Velocity</b>      | 2 to 6000 fpm   | 2 to 6000 fpm   | 2 to 9840 fpm   | 2 to 6000 fpm    | 2 to 1000 fpm    | 2 to 1000 fpm    | 2 to 6000 fpm  | 2 to 6000 fpm  |
| <b>Temperature</b>       | -4 to 158°F     | -4 to 158°F     | -4 to 158°F     | -4 to 158°F      | -4 to 158°F      | -4 to 158°F      | n/a            | n/a            |
| <b>Relative Humidity</b> | 2.0 to 98.0%RH  | n/a             | n/a             | n/a              | 2.0 to 98.0%RH   | n/a              | n/a            | n/a            |

Specifications are subject to change without notice.



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