



**KANOMAX**  
The Ultimate Measurements

# CLIMOMASTER MODEL 6501

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

The Kanomax 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 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



## FEATURES AND BENEFITS

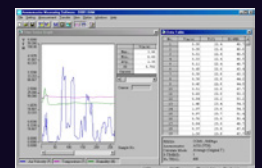
- ◊ 2% air velocity accuracy: the highest accuracy on the market.
- ◊ Equipped with an automatic atmospheric pressure compensation function.
- ◊ Wide range of probe choices for challenging applications.
- ◊ Sleek, ergonomical design with anti-slip grip backlit display.
- ◊ Research quality at a contractor-friendly 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.
- ◊ Windows 10 compatible software displays real-time display of data.
- ◊ Notifies you when it is due for calibration.
- ◊ Optional hands-free carrying case available.
- ◊ Includes 79 in. (2m) probe cable, USB cable, 6 AA batteries, carrying case, operation manual.



*OSHA approved hands-free case available so you can keep 3 points of contact on a ladder. Model 6000-61*



*Multiple probe options to choose from for various applications.*



*Data processing software included to simplify recording and reviewing measurements.*

# PRODUCT SPECIFICATIONS

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



## CLIMOMASTER PROBE SPECIFICATIONS

|                   |                 |                 |                 |                  |                  |                  |                |                |
|-------------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|----------------|----------------|
|                   |                 |                 |                 |                  |                  |                  |                |                |
| Model             | 6531-2G         | 6541-2G         | 6561-2G         | 6542-2G          | 6533-2G          | 6543-2G          | 6551-2G        | 6552-2G        |
| Probe Type        | Uni-directional | Uni-directional | Uni-directional | Omni-directional | Omni-directional | Omni-directional | Mini-spherical | Mini-spherical |
| Air Velocity      | 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  |
| Temperature       | -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            |
| Relative Humidity | 2.0 to 98.0%RH  | n/a             | n/a             | n/a              | 2.0 to 98.0%RH   | n/a              | n/a            | n/a            |

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