

■ Specification

< Main Unit >

Model	Model 6162
Measuring Object	Clean airflow (non condensing)
Measuring Function	Air velocity and temperature
Input/Output Terminal	Digital output...RS232C (serial interface) Analogue output...simultaneous output of air velocity and temperature Output voltage: 0~1V (output impedance 47Ω) Remote terminal... START/STOP Key
Memory	Max. 999 separate measurement data
Power Supply	Dry-cell battery...C size x 6pcs (1.5 X 6 =9V) Alkaline battery, Manganese battery AC Adapter... AC100~240V, 50/60Hz
Operating Temperature	5~40°C
Battery Life	Approx. 8 hours Continuous (at air velocity 5m/s with alkaline batteries in backlight off)
Dimension	220(W) × 85(D) × 150 (H) mm
Weight	Approx. 1.8kg
Accessories	Operation manual, Shoulder belt, C size battery × 6pcs, AC Adapter, Analogue output cable × 2pcs
Option	Extension rod for Model 0203/0204, Software (for Windows), Printer, Compression fitting

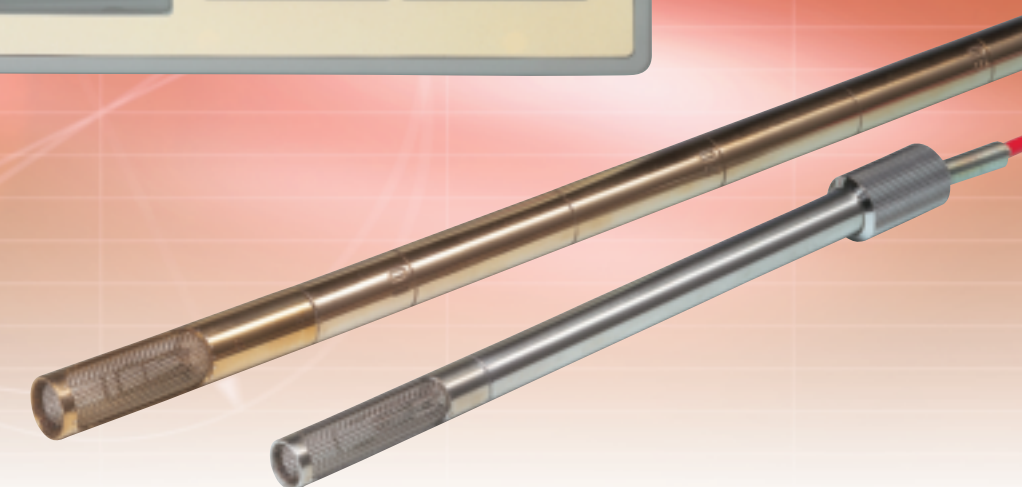
< Probe >

Model	Model 0203 (for middle temperature)	Model 0204 (for high temperature)	
Measuring Range	Air velocity V <sub>0</sub> to 50m/s	V <sub>0</sub> Air Temperature	
	V <sub>0</sub> =Minimum Measurable Velocity	0.2m/s 0 to 99°C 0.4m/s 100 to 199°C 0.7m/s 200 to 299°C (0204only) 1.0m/s 300 to 400°C (0204only)	
Measuring Accuracy	Measuring Range	Accuracy	Display Resolution
	Air Velocity	±3%F.S.	0.01m/s 0.1m/s
Temperature Compensation Accuracy (Air Velocity)	Air Temp.	MODEL 0203	MODEL 0204
	Air Velocity	±10%F.S.	±15%F.S.
Response	Air Temp.	±6%F.S.	±10%F.S.
	Air Velocity	0 to 200°C	0 to 400°C
Probe Cable	Air Velocity	5.0 to 9.99m/s	10.0 to 24.9m/s
	Air Temp.	25.0 to 50.0m/s	25.0 to 50.0m/s
Heat-resistance of Cable	Air velocity...4 sec (90% response at air velocity 5m/s)	Teflon coating...1.5m	Teflon coating...2.3m
	Air temperature...5sec (90% response at air velocity 5m/s)	Vinyl code...5m	Vinyl code...10m
Weight	Teflon coating (Probe cable)...200°C	Approx. 200g	Approx. 500g
	Vinyl code (Extension cable)...80°C	Approx. 200g	Approx. 500g
Accessories	Probe board, Carrying case for probe, Extension cable (Vinyl code: 5m)	Probe board, Carrying case for probe, Extension cable (Vinyl code: 10m), Reagent bottle, Beaker, Brush of bamboo	



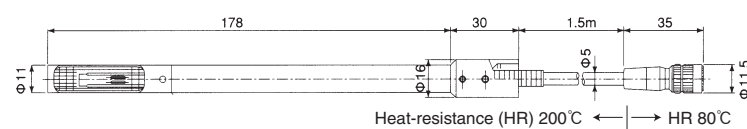
Constant Temperature Type Hotwire Anemometer  
**ANEMOMASTER®**  
Middle and High Temperature Anemometer

**MODEL 6162**

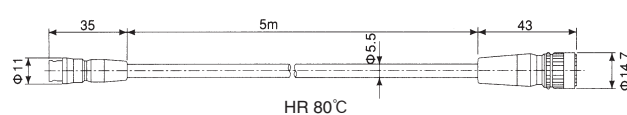


■ The Outline of the Probe (unit: mm)

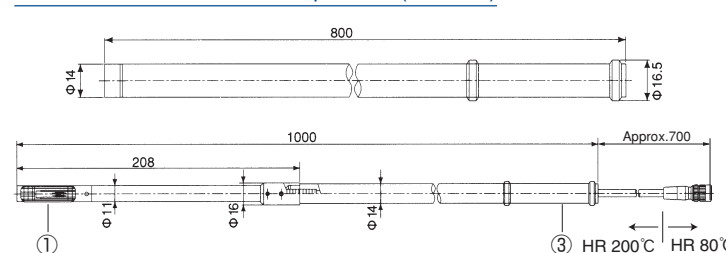
① Probe for middle temperature(Model 0203)



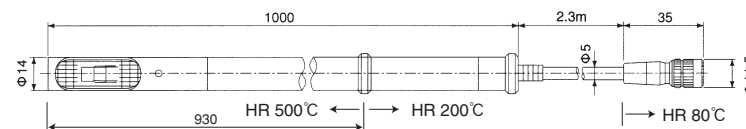
② Extension cable for middle temperature



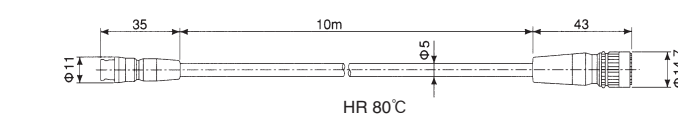
③ Extension rod for middle temperature (OPTION)



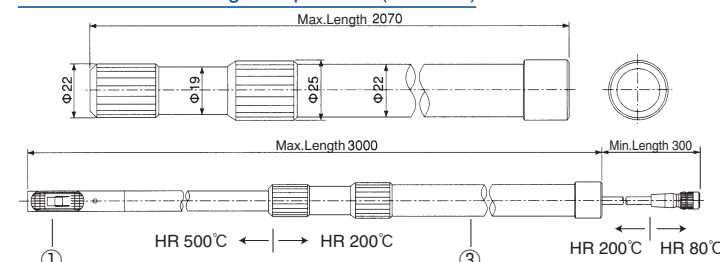
① Probe for high temperature(Model 0204)



② Extension cable for high temperature



③ Extension rod for high temperature (OPTION)



■ Specifications contained in this brochure are subject to change for improvement without notice.

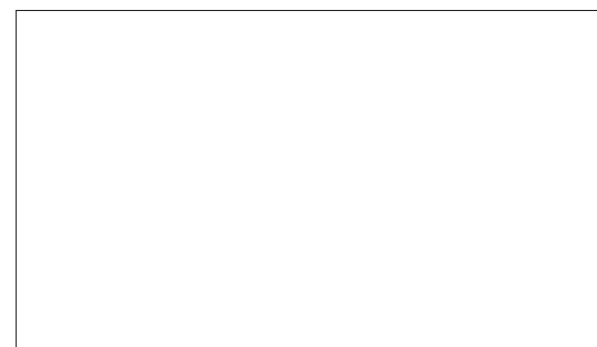


●To use the units correctly and safely, read the Operation Manual carefully before use.

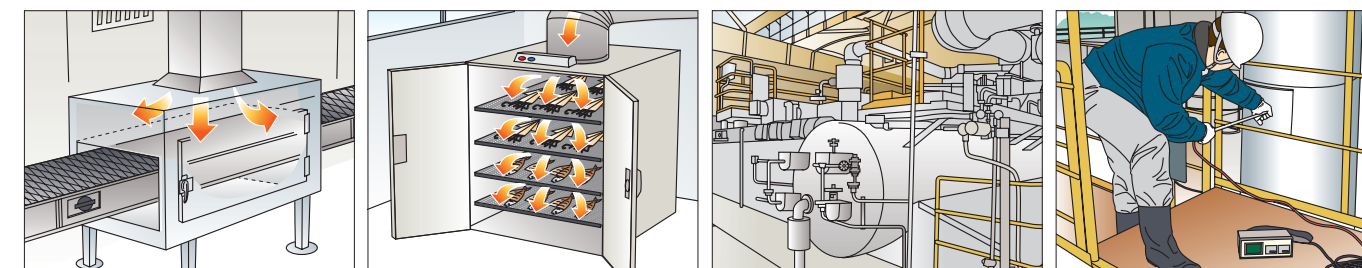


**Kanomax Japan Inc.**  
2-1 Shimizu, Suita,  
Osaka 565-0805, Japan  
TEL: +81-6-6877-0183  
FAX: +81-6-6877-5570  
E-mail: sales@kanomax.co.jp  
URL: www.kanomax.co.jp

**Kanomax USA, Inc.**  
P.O.Box 372, 219 Route 206  
Andover NJ 07821 U.S.A.  
TEL: 1-800-247-8887  
FAX: +1-973-786-7586  
E-mail: info@kanomax-usa.com  
URL: www.kanomax-usa.com



The contents in this catalogue as of April 2008.



■ Airflow Control at Drying Process ■ Airflow Control inside of Drying Oven ■ Airflow Control at Boiler and Flue Gas ■ Measuring Example

**KANOMAX JAPAN INC.**



# The Kanomax Model 6162 ensures precise High Temperature Velocity Measurements, providing improved quality control and productivity

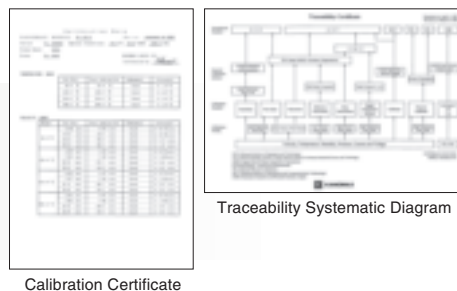
## 5 features of Kanomax Middle and High Temperature Anemomaster

- 1** Simultaneous measurement of air velocity and temperature up to 500°C
- 2** Two probe selections, Middle Temperature up to 200°C and High Temperature up to 500°C
- 3** Swappable Probe feature allows for zero downtime waiting for calibration, repair or replacement probe.
- 4** Temperature compensation circuitry ensures accurate velocity measurements in rapidly fluctuating air stream temperatures. Factory probe validation for high temperatures performed in a Variable Temperature Wind Tunnel.
- 5** The fast response and high accuracy provided by our temperature compensation is achieved using highly stable Platinum for the sensor element  
\* Temperature Compensation Accuracy is validated up to 400°C.

### Traceability Certificate

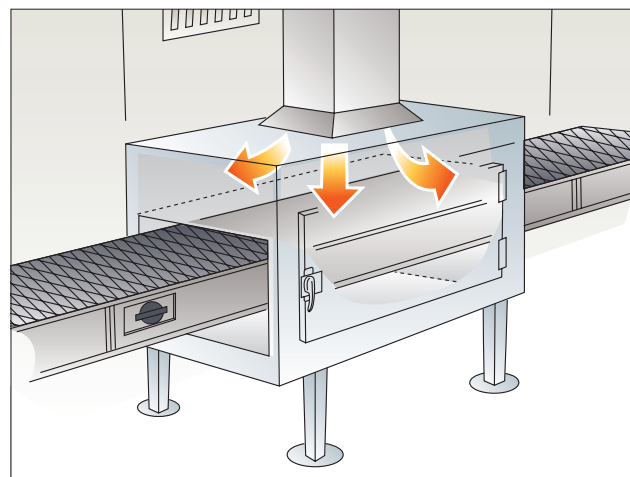
Kanomax Anemometers are calibrated using reference instruments traceable to NIST criteria and standards. Kanomax issues traceability certificates (Traceability Diagram and Calibration Certificate) to NIST criteria and standards.

\* If you need the Traceability Certificate, please order when you purchase the product.

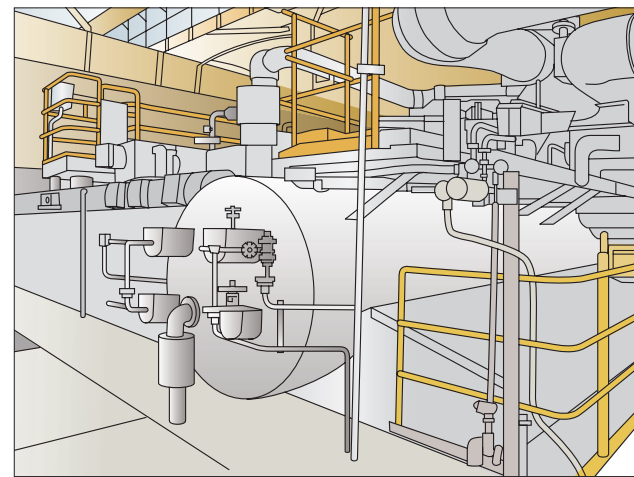


## Example of Application

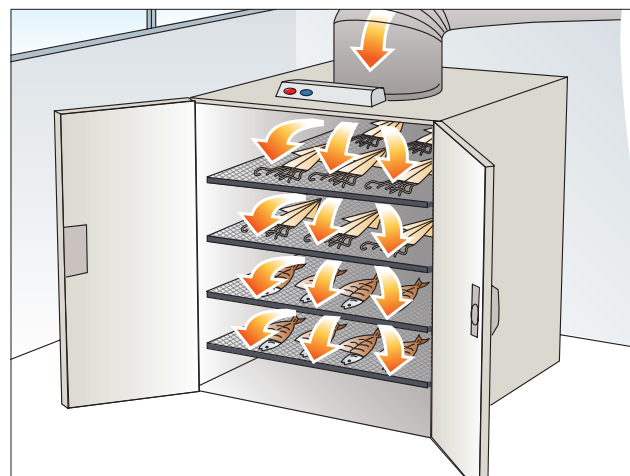
### ■ Airflow Control at Drying Process



### ■ Airflow Control at Boiler and Flue Gas



### ■ Airflow Control inside of Drying Oven



### Measuring Example



## Built-in Communication Function

Built-in RS232C serial interface for connection to printer and PC. An analogue output terminal and a remote terminal are also equipped.



## Two Way Power Supply Specifications

Dry cell battery operation (Alkaline or Manganese) or an AC power source.

## Function Mode

[HOLD] ..... Hold/Release to indicate the measurement value  
[FAST/SLOW] Time constant changeover switch: FAST, SLOW1, SLOW2 (1, 5, or 10 seconds)  
\* Not available at function mode  
[BATT] ..... Indicate the remaining capacity of battery (for dry cell only)



## Digital Display (Simultaneous Display of Air Velocity and Temperature)

Large graphic display - Velocity and temperature shown at the same time with back light



## Calculation Mode

Average, Maximum, Minimum, and Flow Rate

## Probe Compatibility

Each probe comes with its own calibration data stored in a ROM and ensures precision. It enables you to change the measuring range from middle to high temperature by exchanging the probe and to have a spare probe in the event of unexpected probe failure.

MODEL 0204

MODEL 0203

## Option

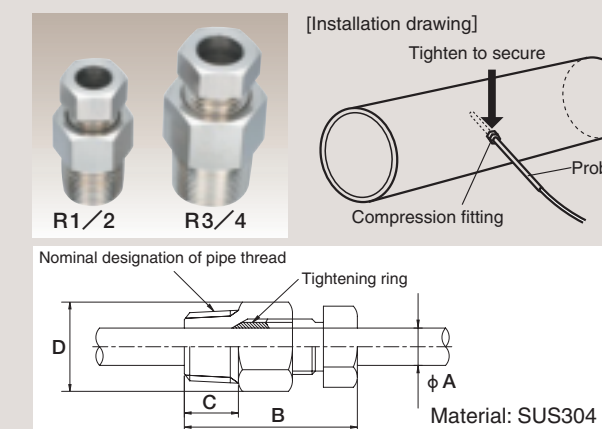
### [ Anemomaster Measuring Software (S600-00) for Windows ]



It can display and graph your measurement data in real-time while connected to your PC. Upload stored measurement data to your PC for review with standard calculation software such as Excel.

Required OS: Windows98/Me/2000/XP

### [ Compression Fitting ]



Probe	Nominal Designation	Diameter of Probe Support	Material for Tightening Ring	B	C	D
0204	R3/4*1	φ 14	Brass	61	20	33
0203	R1/2*2	φ 11	Teflon	52	16	26.3

\* 1 Once tighten and removed, it is nonreusable  
\* 2 It can be tightened and removed repeatedly  
(Unit: mm)