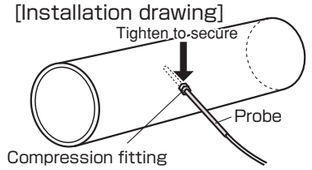
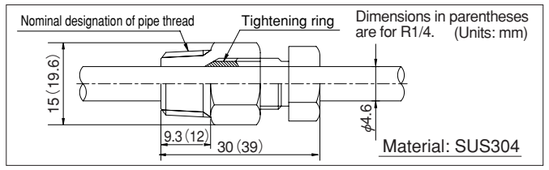
Mainbody/System Specification

Model	SYSTEM 6242/6243 (Multi-channel anemomaster)
Type	Mainbody (1/1 case) MODEL 1550 (1/2 case) MODEL 1560
Measuring object	Clean airflow at normal pressure & temperature
Resolution	Air velocity: 0~9.99m/s ···· 0.01m/s; 10.0~25/50m/s ···· 0.1m/s Air temperature: 0.1℃ Relative humidity: 0.1%RH
Functions	Display ····MAN: Changeover by UP/DOWN switch to display value at each module AUTO: Automatic changeover at every 2 sec. Measuring mode: Burst mode ··· Transmitting of all data Channel mode·· Transmitting of data specified Output: Instantaneous mode ··· Output the data at every specified interval of time. Average mode···Take an average of the data in specified interval of time. *Display "REMOTE" while transmitting the data/ It dose not display the measuring value. *Repeat frequency· 1~65,535 times *Measuring time intervals: 0.1xT second (T=1~65,535) Print ····In display mode, print the measuring value which displayed every 2 seconds. In AUTO, print data of every module automatically. In MAN, print at every 2 seconds only indicated module.
Interface	Data transmission ····RS-232C (Standard), GP-IB (Option) Cascade connection ···· RS-232C (Option) Baud rate ···· 300, 600, 1200, 4800, 9600, 19200, bps at your choice Printer output ···· Centronics

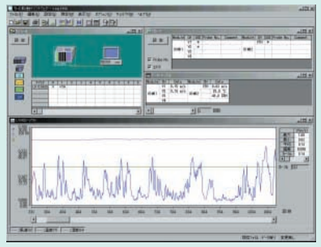
Model	5~40℃
Dimensions	MODEL 1550···430(W)x140(H)x500(D)mm MODEL 1560···226(W)x140(H)x350(D)mm
Weight	MODEL 1550···Approx. 10kg MODEL 1560···Approx. 5kg
Power	AC100~240V 50/60Hz
Accessories	RS-232C cable (1.5M)x1/Printer cable (1.5M)x1 Power cable (1.5M)x1/Operation manual x1/fusex2(4A)
Option	Blank panel/Probe cable/Rack Installatioin metal fittings/ RS-232C for cascade connection (with cable 1.5m)

Compression Fitting (for Model 0964-02)





■Measuring Software for WINDOWS



Simultaneously receive data from all channels and display/graph in real time. Measurement data saved as text file for export to standard calculation software such as Excel.

●Required System

O S	Windows 95/98/Me/2000/XP
C P U	More than Pentium 50MHz
Memories	Vacancy more than 5MB
H D D	Vacancy more than 10MB
Others	RS-232C must be connected

4-channel Anemomaster

SYSTEM **6244** (MODEL 1570)

Four air velocity channels can be measured simultaneously. 10 types of compatible probes can be selected depending on the required application. A wide range of multi-channel measurements can be made, such as air velocity monitoring in cleanrooms and vehicle compartments, air velocity distribution inside ducts, air-conditioner performance checks. (Includes measurement software)

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

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

KANOMAX
The Ultimate Measurements

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The contents in this catalogue as of August 2007.

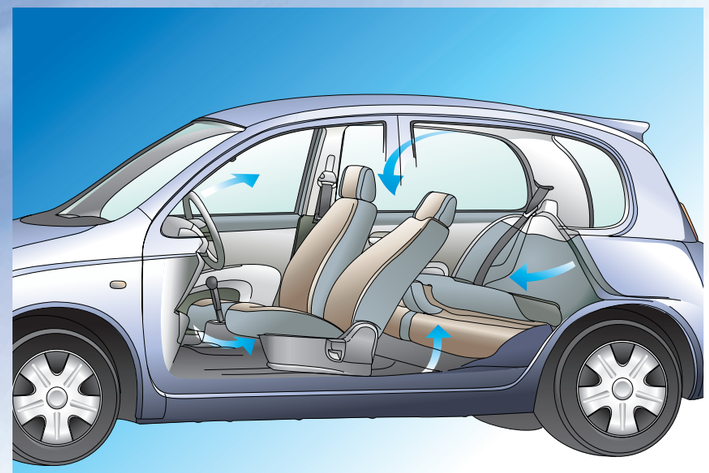
CAT.No.E6242-00

KANOMAX

MULTI-CHANNEL

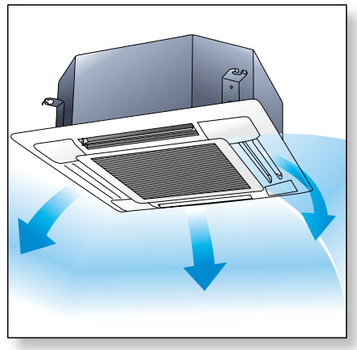
ANEMOMASTER®

Real-time Air Quality Monitoring System

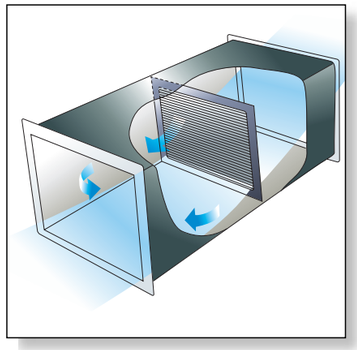


For measuring environments in vehicle compartments

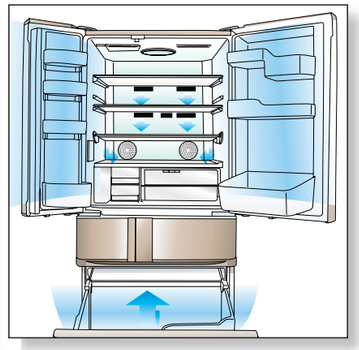
SYSTEM
6242/6243
(MODEL 1550) (MODEL 1560)



For evaluating performance of air-conditioning equipment



For measuring air velocity distribution inside ducts



For evaluating performance of cooling & refrigeration equipment

KANOMAX JAPAN INC.

Flexible Multi-channel Configuration. Expandable up to 320 channels.

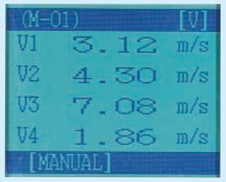
Real-time monitoring of air velocity, temperature, humidity and pressure measurement

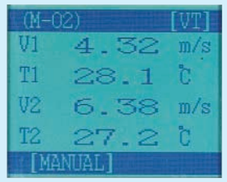
Main body

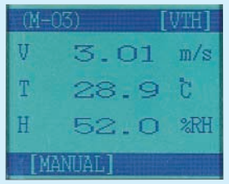
One unit of Kanomax model 1550 has 64 channels for air velocity. For a larger system, connect up to 5 units in a cascade and add a computer for control. It makes a total of 320 channels. Flexibility in system configuration means greater freedom, simplicity, and efficiency in measurement. *The number of channels is determined by modules to be used.

MODEL 1550
●16 Module Slots

MODEL 1560
●6 Module Slots







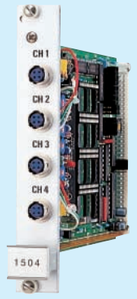
Large Liquid Crystal Display with Backlight shows measurement from each module.

It displays 4 channels simultaneously for the velocity module, 2 for the velocity/temperature module, and 1 for the velocity/temperature humidity module. In Auto mode the display changes every 2 seconds.

Modules

5 kinds of modules provide a wide variety of system configuration.

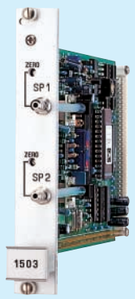
This system has 5 kinds of modules. By combining each module optionally, you can construct systems freely. Additional inovation and extention after purchase is also avarable.



MODEL 1504
●V module 4 ch
(Air velocity)

MODEL 1511
●VT module 2 ch
(Air velocity & Temperature)

MODEL 1512
●VTH module 1 ch
(Air velocity & Temperature & Relative Humidity)



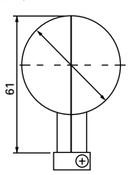
MODEL 1503*
●Pressure module
2 ch

MODEL 1510
●Analog output module

*The actual product may differ slightly from the picture shown.

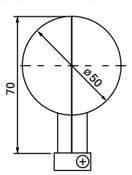
Ring guard

For MODEL 0965-31 (Probe)



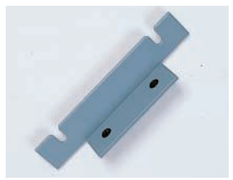
MODEL6521-30

For MODEL 0965-00, MODEL 0965-21 (Probe)



MODEL1500-03

Rack installation metal fittings

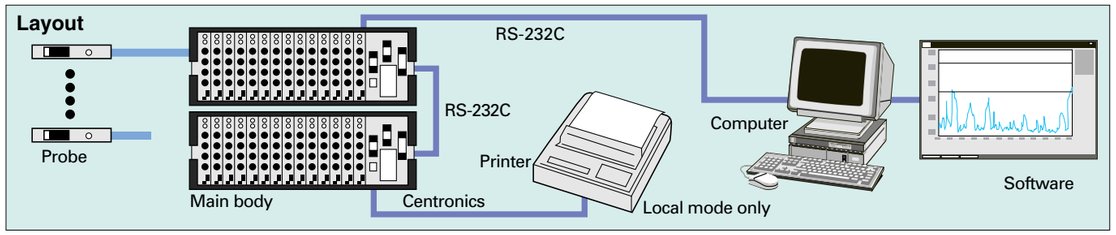


MODEL1500-04 (2pcs./set)

Option

○GP-IB Connection
○Cascade Connection (RS-232C)
○Others
(Please inquire at the nearest office.)

Layout

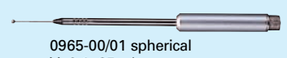


Probe

Select from 11 types of probes. Each probe comes with its own calibration data stored in a ROM to keep interchangeability with other probes and ensure precision. It also eliminates downtime for calibration. Probe cable is extendable (option).

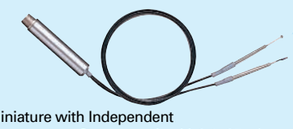
●Air Velocity

0962-00 caramel type
V: 0.1~50m/s



0965-00/01 spherical
V: 0.1~25m/s

Miniature with Built-in Temperature Compensation V: 0.1~25m/s

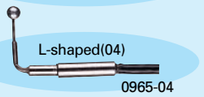


Miniature with Independent Temperature Compensation V: 0.1~25m/s

0963-00 A-200 type
V: 0.1~50m/s

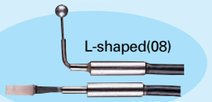
0964-01/02 omni-directional
V: 0.1~50m/s

0965-03



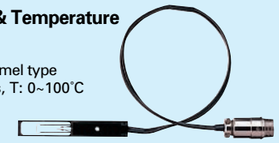
L-shaped(04)
0965-04

0965-07



L-shaped(08)
0965-08

●Air Velocity & Temperature



0962-21 caramel type
V: 0.1~50m/s, T: 0~100˚C

0963-21 A-200 type
V: 0.1~50m/s, T: 0~100˚C

0965-21 spherical
V: 0.1~25m/s, T: 0~100˚C

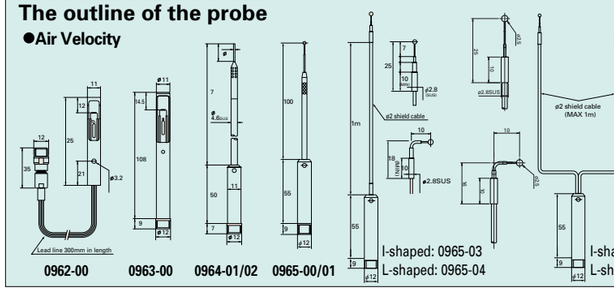
●Air Velocity & Temperature & Relative Humidity

0963-31 A-200 type
V: 0.1~50m/s, T: 0~60˚C, H: 5~95%RH

0965-31 spherical
V: 0.1~25m/s, T: 0~60˚C, H: 5~95%RH

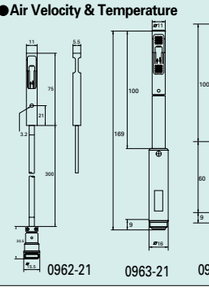
The outline of the probe

●Air Velocity



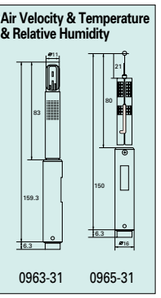
0962-00 | 0963-00 | 0964-01/02 | 0965-00/01

●Air Velocity & Temperature



0962-21 | 0963-21 | 0965-21

●Air Velocity & Temperature & Relative Humidity



0963-31 | 0965-31

Probe specifications

Probe (Air velocity)

MODEL	Range	Accuracy
0962-00 0963-00	0.1~4.99m/s 5.00~9.99m/s 10.0~24.9m/s 25.0~50.0m/s	± 0.1 m/s ± 0.2 m/s ± 0.5 m/s ± 1.0 m/s
0964-01/02	0.1~4.99m/s 5.00~9.99m/s 10.0~24.9m/s 25.0~50.0m/s	± 0.15m/s ± 0.3 m/s ± 0.75m/s ± 1.5 m/s
0965-00/01 03/04/07/08	0.1~4.99m/s 5.00~9.99m/s 10.0~25.0m/s	± 0.15m/s ± 0.3 m/s ± 0.60m/s

* Temperature compensation: 5~80˚C

Probe (Air Velocity & Temperature)

MODEL	Range	Accuracy	Air Temperature
0965-21	0.1~4.99m/s 5.00~9.99m/s 10.0~25.0m/s	± 0.15m/s ± 0.3 m/s ± 0.60m/s	Range 0~100˚C Accuracy ±1˚C
0962-21	0.1~4.99m/s 5.00~9.99m/s	± 0.1 m/s ± 0.2 m/s	
0963-21	10.0~24.9m/s 25.0~50.0m/s	± 0.5 m/s ± 1.0 m/s	

* Temperature compensation: 5~80˚C

Probe (Air Velocity & Temperature & Relative Humidity)

MODEL		Range	Accuracy
0963-31	Air Velocity	0.1~4.99m/s 5.00~9.99m/s 10.0~24.9m/s 25.0~50.0m/s	± 0.15m/s ± 0.3 m/s ± 0.6 m/s
	Air temperature	0~60˚C	± 1˚C
	Relative Humidity	5~80%RH 80~95%RH	± 3%RH ± 5%RH
0965-31	Air Velocity	0.1~4.99m/s 5.00~9.99m/s 10.0~25.0m/s	± 0.15m/s ± 0.3m/s ± 0.6m/s
	Air Temperature	0~60˚C	± 1˚C
	Relative Humidity	5~80%RH 80~95%RH	± 3%RH ± 5%RH

* Temperature compensation: 5~60˚C

Probe cable

MODEL	Length	Module
1504-02 03 04 05 06	2m 5m 10m 20m 30m	1504
1511-01 02 03	10m 20m 30m	1511
1512-01	10m	1512

* Please inquire at the nearest distributor for the length not listed above.

Pressure Module (MODEL 1503)

Sensor	Dispersed type semi-conductor pressure sensor
Measuring Range	0~±5kPa
Measuring Accuracy	Range: Accuracy 0~1kPa: ±0.03kPa 1~2kPa: ±0.03kPa 2~5kPa: ±0.10kPa * Same to the negative pressure. (minus)
Operating Temperature	5~40˚C
Resolution	0.01kPa
Pressure port diameter	ø5

Analog Output Module (MODEL 1510)

Number of channels	4 ch
Output Voltage	Standard…0~5V Option …±2.5, ±5V, ±10V, 0~10V
Output Inpedance	1 or less Ω
Accuracy	±0.5%FS