

**Specifications of Main Unit**

Product	Multi-Channel Anemomaster	
Model	Model 1580-00	
Number of channels	Up to 12 channels	
Communication Function	Between PC	USB Micro-B
	Between Probe	Serial communication (standard cable)
	Between Probe	Serial communication (connector)
Power Supply	DC12 to 24V (Select either one of 3 options below) 1) Connection with other unit, 2) AC adaptor (90W), 3) DC power cable	
Power Consumption	Up to 50W	
Operating Environment	5~40°C, 0~85%RH(No Condensation)	
Storage Environment	-10~60°C, 0~90%RH (No Condensation)	
Dimensions	W220mm × D130mm × H40mm	
Weight	0.6 kg	
Standard Accessories	AC Adapter (90W), Software (CD), Operation manual, USB cable, Rubber cap	
Warranty	1 year	

Product	Analog Unit		
Model	Model 1592-00		
Number of channels	12ch		
Communication Function	Between units	Serial communication (connector)	
Analog Output	Voltage output	Range	0 ~ 5 V
		Output resistance	1 kΩ
	Current output	Range	4 ~ 20 mA
		Load resistance	250 Ω
Power Supply	DC12 to 24V (Select either one of 3 options below) 1) Connection with other unit, 2) AC adaptor (90W), 3) DC power cable		
Power Consumption	10W		
Operating Environment	5~40°C, 0~85%RH(No Condensation)		
Storage Environment	-10~60°C, 0~90%RH (No Condensation)		
Size	W220mm × D130mm × H40mm		
Weight	0.5 kg		
Standard Accessories	Setup guide, Connecting clips (2pcs), Rubber cap (2pcs), Terminal block (3pcs)		
Warranty	1 year		

**Specification of Probe**

Model Number	Measurement Target	Directivity	Air Velocity			Wind Temperature		Humidity		Operating Temperature	Temperature compensation sensor						
			Measurement Range	Measurement Accuracy	Responsivity	Measurement Range	Measurement Accuracy	Measurement Range	Measurement Accuracy								
0972-00 0973-00	Wind Speed	Yes	0.01~50.0m/s	The larger of ± 2% or ± 0.02 m/s of the displayed value	1 second	—	—	—	—	0-100°C	± 5% of displayed value at 0-100 °C						
0975-00			0.01~25.0m/s														
0975-09 0975-10			0.01~50.0m/s														
0976-03 0976-04 0976-07		No	0.01~30.0m/s	The larger of ± 3% or ± 0.02 m / s of the displayed value	3 second					0-120°C	± 5% of displayed value at 0-120 °C						
0976-13 0976-14 0976-17												The larger of ± 2% or ± 0.02 m/s of the displayed value	0-100°C	± 5% of displayed value at 0-100 °C			
0976-05															The larger of ± 3% or ± 0.02 m/s of the displayed value	0-120°C	± 5% of displayed value at 0-120 °C
0976-15																	
0975-21		0~100°C	± 0.5%	0-100°C	± 5% of displayed value at 0-100 °C												
0975-31										0~60°C	5~95%RH	5~80%RH:3%RH 80~90%RH:5%RH					

Responsivity: Indicated value gets 0.9m/s or more than 0.9m/s to "air velocity 1m/s" on the certain temperature condition

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E1580-2E

# Multi-Channel Anemomaster

## MODEL 1580



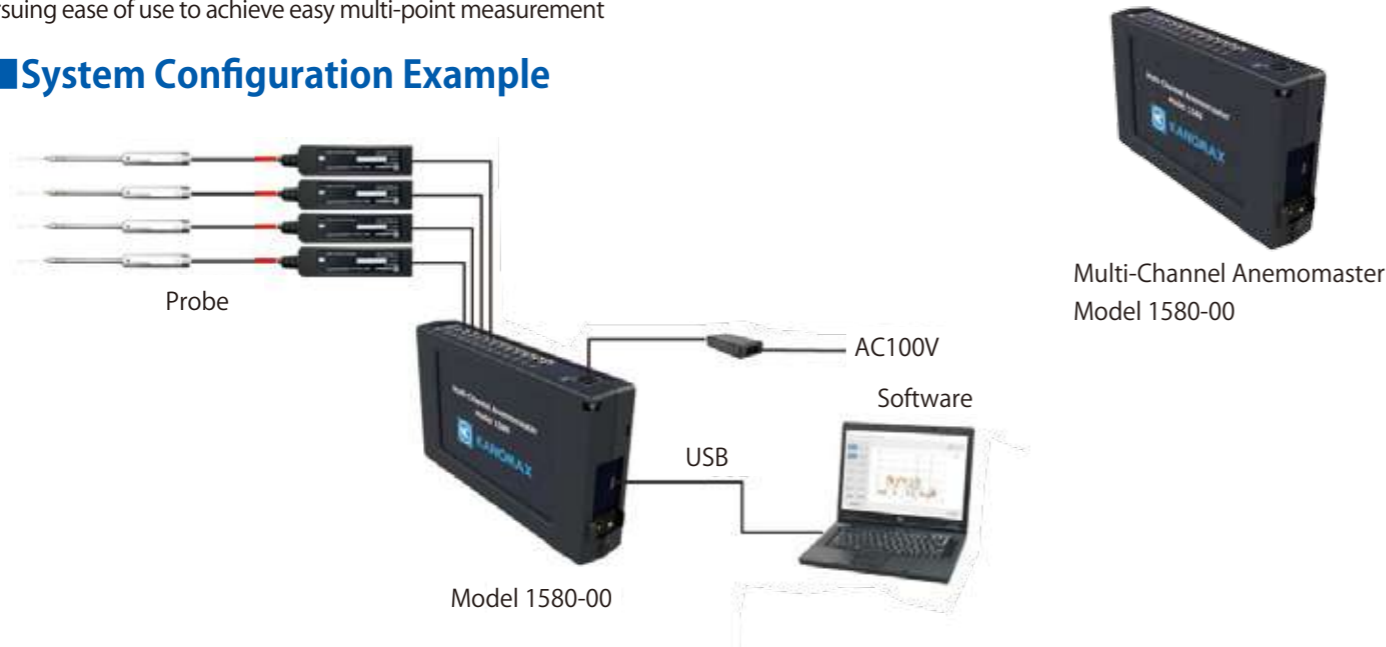
12-channel multi-Channel Anemomaster  
 Compact and light weight

- 15 types of compatible probes for various applications
- The smallest class probe in the industry
- High heat resistance enables precise measurement even in tough environments
- High portability of the main body makes it easy to use in vehicles.
- Improved probe response and accuracy, micro air velocity limit of 0.01 m/s

## Easy and simple configuration that can support up to 12 channels

World's highest level of accuracy and responsiveness in the full air velocity range, including the fine velocity range  
 Multi-channel measurement with up to 12 channels is realized with the industry's smallest level of miniature probes, high heat resistance and temperature measurement.  
 Pursuing ease of use to achieve easy multi-point measurement

### System Configuration Example



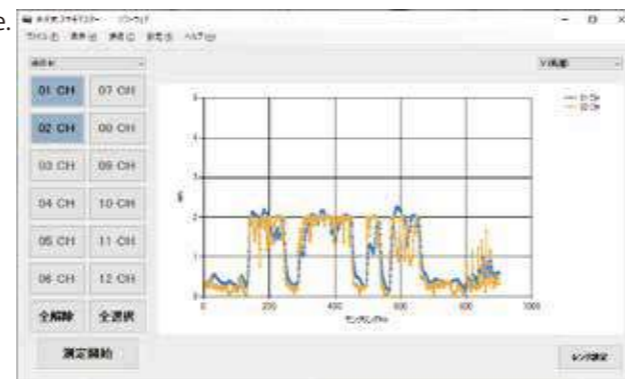
### Supports analog output

By connecting an optional analog unit, it is possible to convert the measurement data into an analog signal and output it. Each analog unit has 12 channels, and it is possible to select electric current or voltage for each channel. A maximum of 3 units can be added to 36 channels with one main unit, making it ideal for data collection using a data logger.



### Software

This product comes with a Windows version of the measurement software. Simultaneous measurement of all channels of air velocity, temperature and humidity, and real-time graph display. Measurement data is saved in text format and can be easily imported into table measurement software such as Excel. It can be measured from a PC via the USB communication interface.



### Application Example

Thermal management of the ECU

Evaluation of heat measures for the electronic infrastructure

Airflow management indoors for semiconductor manufacturing equipment

Data center thermal



## Air velocity range of compatibility probes to meet a many different type of customer needs

### 15 Types of Probes Are Available

Model 0972-00



V : 0.01 ~ 50.0 m/s

Model 0973-00



V : 0.01 ~ 50.0 m/s

Model 0975-00



V : 0.01 ~ 25.0 m/s

Model 0975-09 / 21



V : 0.01 ~ 50.0 m/s (09)  
 V : 0.01 ~ 25.0 m/s (21)  
 T : 0 ~ 100 °C (21)

Model 0975-10



V : 0.01 ~ 50.0 m/s

Model 0976-03 / 13



V : 0.01 ~ 30.0 m/s  
 Operating temperature : 0 ~ 120 °C (03)  
 0 ~ 100 °C (13)

Model 0976-04 / 14



V : 0.01 ~ 30.0 m/s  
 Operating temperature : 0 ~ 120 °C (04)  
 0 ~ 100 °C (14)

Model 0975-31



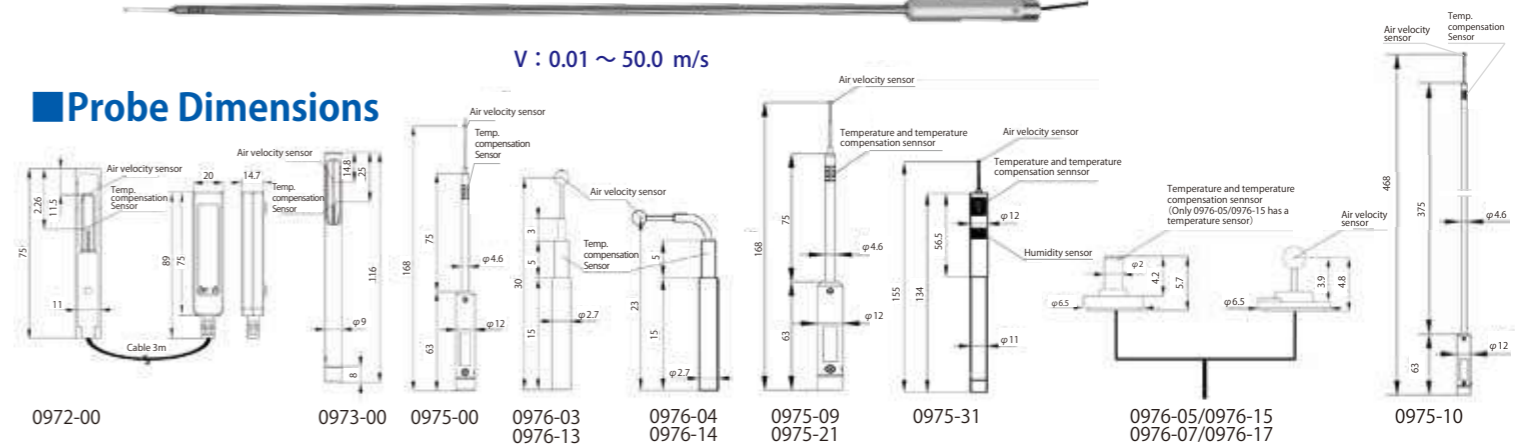
V : 0.01 ~ 25.0 m/s  
 T : 0 ~ 60 °C  
 H : 5 ~ 95 %RH

Model 0976-05 / 15 0976-07 / 17



V : 0.01 ~ 30.0 m/s  
 T : 0 ~ 120 °C (05)  
 0 ~ 100 °C (15)  
 Operating temperature : 0 ~ 120 °C (05 / 07)  
 0 ~ 100 °C (15 / 17)  
 Probe height : 5.8 mm

### Probe Dimensions



### Available Accessories

<p>AC adapter</p> <p>Model 1580-10                  Output power : 90W                  Input : AC100-240V                  50/60Hz, 1.5A</p>	<p>Standard cable</p> <table border="1"> <thead> <tr> <th>Model</th> <th>Length</th> </tr> </thead> <tbody> <tr> <td>1580-30</td> <td>0.5m</td> </tr> <tr> <td>1580-31</td> <td>2m</td> </tr> <tr> <td>1580-32</td> <td>5m</td> </tr> <tr> <td>1580-33</td> <td>10m</td> </tr> <tr> <td>1580-34</td> <td>20m</td> </tr> <tr> <td>1580-35</td> <td>40m</td> </tr> </tbody> </table>	Model	Length	1580-30	0.5m	1580-31	2m	1580-32	5m	1580-33	10m	1580-34	20m	1580-35	40m	<p>DC power connection cable</p> <p>Model 1580-37                  Length : 2m                  Supply voltage : 12 ~ 24V                  Power capacity : Maximum 6.25A                  (Maximum about 150W)</p>	<p>Probe fixing jig</p> <p>Model 1580-90                  Compatible probe : 0976-03/04, 0976-13/14                  Upper-temperature limit : 150°C                  Quantity : 20 pairs / 1 pack</p> <p>Probe fixing example</p>	<p>Double-coated tape for 0976</p> <p>Model 1580-92                  Compatible probe : 0976-05/07, 0976-15/17                  Size : φ5.5×t0.3mm                  Upper-temperature limit : 120°C                  Quantity : 200 pairs / 1 pack</p> <p>Example of probe with the double-sided tape</p>
Model	Length																	
1580-30	0.5m																	
1580-31	2m																	
1580-32	5m																	
1580-33	10m																	
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