



KANOMAX
The Ultimate Measurements

High Temperature Multi-Channel Anemomaster PRO & PRO PLUS

MODEL 1595/1596



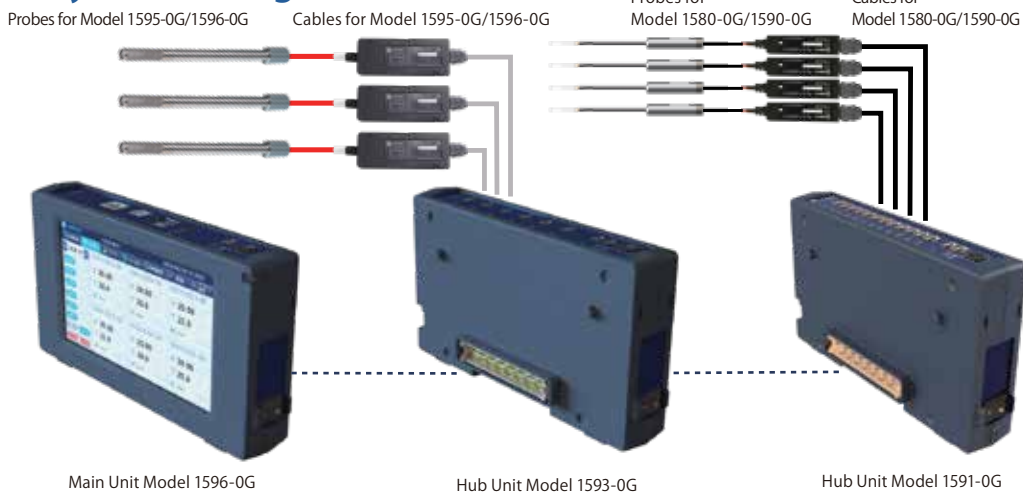
Best for testing air flow in furnaces, ovens, and thermal test chambers

- Available to measure air velocity and temperature in **Max. 500°C** environment
- With using high temperature wind tunnel (0.1~50m/s / 400°C),
Temperature compensation accuracy is properly verified
- **Extremely high heat-resistance** enables to accurately measure in severe conditions
- Available to build a big system with **Max. 72ch**
- Easy to measure Max. 72 points in **Large-scale facilities** with various interfaces
- **High portability** makes it extremely easy to install in a variety types of locations
- Available to output measurement data via both **Voltage and Current output**

Only the product in the industry

The unique multi-channel anemometer for Max. 50.0m/s air velocity & Max. 500°C temperature for Max. 72ch. High temperature Multi-Channel Anemomaster PRO PLUS (Model 1596-0G) can be used together with not only high temperature probes but also other probes for normal temperature, and that enables to measure in a wide range from normal to high temperature up to Max. 500°C. Touchscreen makes the operation super easy, and high portability makes it user-friendly. With doing calibration by our unique wind tunnel, the reliable & accurate measurement is guaranteed.

System Configuration of 1596-0G

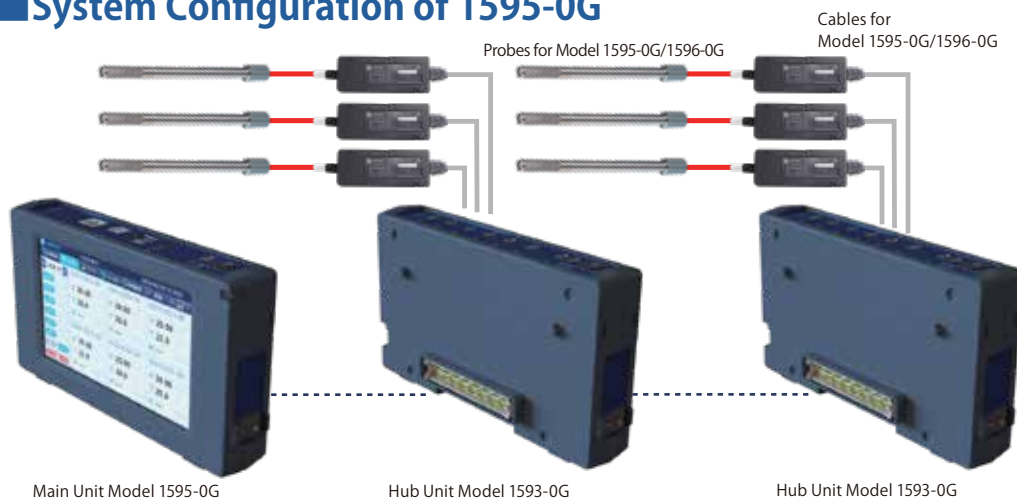


Model 1596-0G System

Mix with ambient and high temperature probes

Flagship Model with the best add-ons. Main unit (1596-0G) is not only available with the Hub Unit (1593-0G), but also available with the other Hub Unit (1591-0G) (*1591-0G is originally for Multi-Channel Anemomaster Model 1590-0G). Therefore, combining the Main Unit (1596-0G) and the Hub Unit (1591-0G), those probes (Model 097X-XX) (*097X-XX are originally for Multi-Channel Anemomaster (1580-0G/1590-0G) can be also used together with Model 1596-0G as well.

System Configuration of 1595-0G



Model 1595-0G System

For high temperature probes only system

Expandable to Max. 12 units Hub Unit (1593-0G) and Max. 72 probes (0213-00, 0214-00, 0215-00) Main Unit (1595-0G) and Hub Unit (1593-0G) can be combined and also can be separated by connecting with cables between each unit like the image on the left. Easy to set up the best system for various kinds of applications.

NOTE: Please refer the spec sheet for the types of probes & length of each probe

Compatible with Analog Output

Analog Unit (Model 1592-0G) enables analog output (0~5V or 4~20mA). Each Analog Unit can output 12ch, and each ch is selectable to output via 0~5V or 4~20mA. It is expandable to Max. 12 units of Analog Unit (Max. 144ch). Best for collecting measurement data with data logger via analog output.



Analog Unit Model 1592-0G

Measurement Software

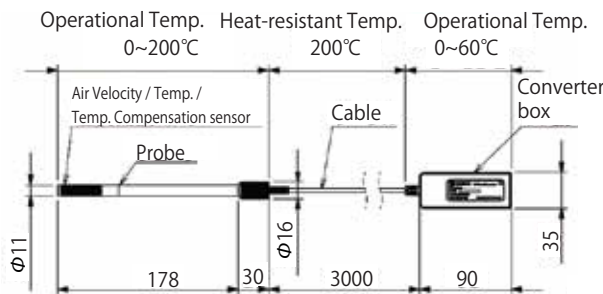
PC software is available (compatible with Windows11). Available to simultaneously monitor all ch & to display the graph in real-time. Measurement data is saved as text format, and it is very easy to import to Excel, etc. Communication interfaces are USB and LAN. Operation methods are selectable, either the touchscreen of main unit or PC via USB or LAN remotely.



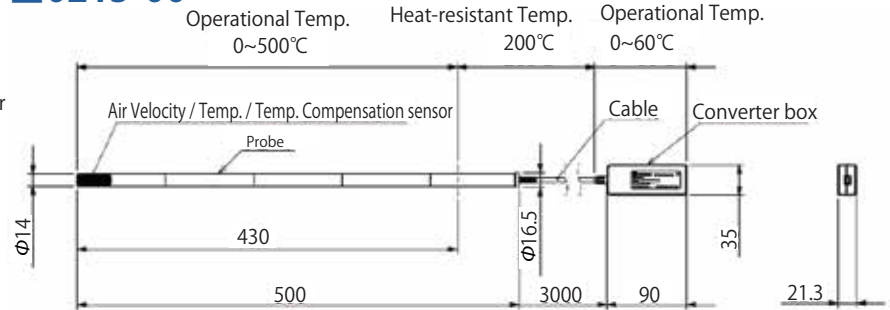
A versatile system for industrial flow applications

Probe Dimension

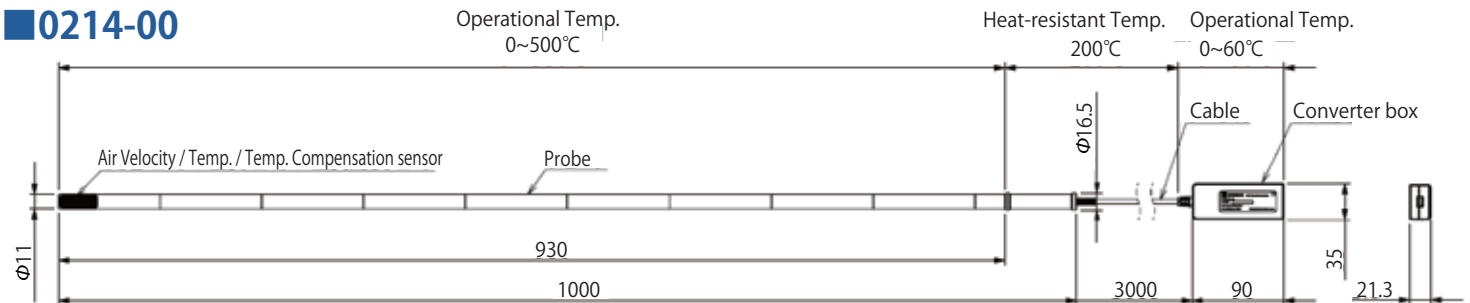
0213-00



0215-00



0214-00



0213-00

Air Velocity: $V_0 \sim 50.0$ m/s
 $V_0 = 0.2$ m/s: 0~99°C
 $V_0 = 0.4$ m/s: 100~200°C

0214-00/0215-00

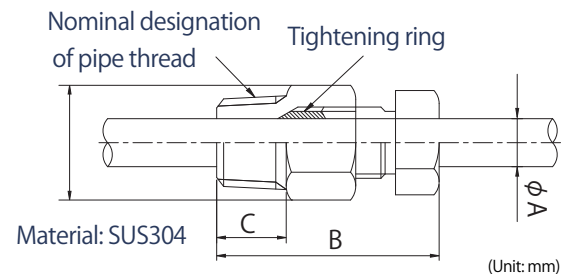
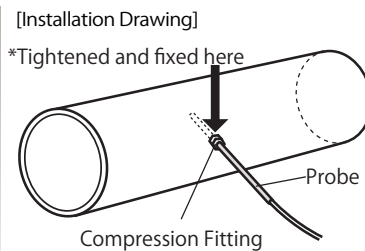
Air Velocity: $V_0 \sim 50.0$ m/s
 $V_0 = 0.2$ m/s: 0~99°C
 $V_0 = 0.4$ m/s: 100~199°C
 $V_0 = 0.7$ m/s: 200~299°C
 $V_0 = 1.0$ m/s: 300~400°C

Compression Fittings

Compression Fittings are jigs to fix probes like the image below by tightening the probe up with the jig.



*Please use them for fixing probes



Model	Compatible Probes	Probe Support dia. A	Nominal dia. of screw	Tightening ring material	B	C	D
0204-02	0214	$\phi 14$	R3/4	Brass *1	61	20	33
0204-01	0215	$\phi 14$		Teflon *2			
0203-02	0213	$\phi 11$	R1/2	Teflon	52	16	

NOTE*1: Once compression fittings are tightened and removed, it cannot be reused.
 NOTE*2: It can be tightened and removed repeatedly.

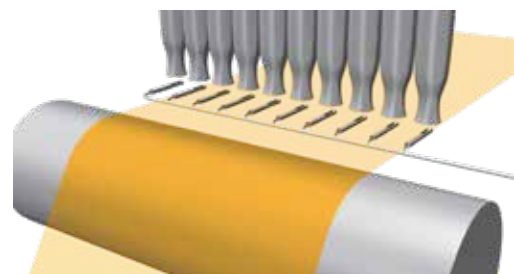
Application Examples



For measuring air velocity / Temp. in paint booth



For measuring air volume in branched pipings



For measuring the air distribution from nozzles in heating film process

Specifications

Product Name		High Temperature Multi-Channel Anemomaster PRO PLUS	High Temperature Multi-Channel Anemomaster PRO
Model		1596-0G	1595-0G
Display		7-inch color touchscreen	
Communication Interface	Data Storage	USB Type-A (for USB Flash Drive)	
	PC communication	Ethernet & USB, Protocol: Modbus RTU, Modbus TCP/IP	
	between Units	Serial communication (standard cable or connector)	
Report format	Medium	Built-in memory	
	Format	CSV format	
	Storage	8GB	
External Trigger Input		Dry Contact Input (A contact), Pin Jack Terminal $\Phi 2.5$	
Language		English, Japanese, Chinese	
Power Supply		DC12~24V (Selectable from either one of the 3 options below (NOTE: common in Hub Unit and Analog Unit))	
		(1) Supplied from the other unit via connector	
		(2) AC adaptor (90W or 160W)	
		(3) DC power cable	
Power Consumption		10W	
Connectable Units		Hub Unit (Model 1593-0G), Analog Unit (Model 1592-0G) Hub Unit (Model 1591-0G)	Hub Unit (Model 1593-0G), Analog Unit (Model 1592-0G)
Dimension		W220 x D130 x H40 mm	
Weight		0.6 kg	
Standard Accessories		AC adaptor (90W), USB cable, Stylus pen, rubber cap, PC software	
Warranty		1 year	

Product Name		Hub Unit
Model		1593-0G
Number of Channels		6ch
Communication	b/w Probes	Serial communication (0213-00/0214-00/0215-00)
	b/w Units	Serial communication (standard cable, connector)
Power Supply		DC12~24V
Power Consumption		Max. 50W
Dimension		W220 x D130 x H40 mm
Weight		0.5kg
Standard Accessories		Setup guide, Connection clip (2pcs), Rubber cap (2pcs)
Warranty		1 year

Product Name			Analog Unit
Model			1592-00
Number of Channels			12ch
Communication	b/w Units		Serial communication (Standard cable, connector)
Analog Output	Output (V)	Range	0~5V
		Output Resistance	1kΩ
	Output (mA)	Range	4~20mA
		Load Resistance	250Ω
Power Supply			DC12~24V (NOTE: power supply method is same as 1595-0G/1596-0G)
Power Consumption			10W
Dimension			W220 x D130 x H40 mm
Weight			0.5kg
Standard Accessories			Setup guide, Connection clip (2pcs), Rubber cap (2pcs), Terminal block (3pcs)
Warranty			1 year

Common Specifications (1596-0G, 1596-0G, 1593-0G, 1592-0G)

Operational Environment	5~40°C, 0~85%RH (NOTE: no condensation)
Storage Environment	-10~60°C, 0~90%RH (NOTE: no condensation)

Probe

Model	0213-00	0214-00 / 0215-00		
Meas. Range	Air velocity: $V_0 \sim 50.0$ m/s $V_0 = 0.2$ m/s: 0~99°C $V_0 = 0.4$ m/s: 100~200°C	Air velocity: $V_0 \sim 50.0$ m/s $V_0 = 0.2$ m/s: 0~99°C $V_0 = 0.4$ m/s: 100~199°C $V_0 = 0.7$ m/s: 200~299°C $V_0 = 1.0$ m/s: 300~400°C		
Meas. Accuracy				
	Air Velocity	Meas. Range	Accuracy	Resolution
		$V_0 \sim 4.99$ m/s	± 0.15 m/s	
		5.00~9.99 m/s	± 0.3 m/s	
		10.0~24.9 m/s	± 0.75 m/s	
	25.0~50.0 m/s	± 1.5 m/s		
Temp.	0~99.9°C	$\pm (1\% \text{ of reading} + 1^\circ\text{C})$	0.1°C	
	100~199°C			
	200~500°C (0214/0215)			
Temp. Compensation Accuracy (Air Velocity)				
	Temperature	MODEL 0213-00	MODEL 0214-00/0215-00	
	Air velocity	0~200°C	0~400°C	
	$V_0 \sim 4.99$ m/s	± 0.5 m/s	± 0.75 m/s	
	5.00~9.99 m/s	± 0.6 m/s	± 1.0 m/s	
	10.0~24.9 m/s	± 1.5 m/s	± 2.5 m/s	
25.0~50.0 m/s	± 3.0 m/s	± 5.0 m/s		
Responsivity	Air velocity: 4sec, Temperature: 6sec (NOTE: 90% response at 5m/s air flow)			
Cable Length	Teflon™-coated wire: 3m			
Operation Temp. (Cable)	Teflon™-coated wire (probe side): 200°C Probe converter box: 60°C			
Dimension	$\Phi 11 \times 178$ mm (NOTE: cable and connector are not included)	0214-00: $\Phi 14 \times 1000$ mm 0215-00: $\Phi 14 \times 500$ mm (NOTE: cable and connector are not included)		
Weight	250g	550g (0214-00), 400g (0215-00)		
Accessories	Probe carrying case (1pcs)	Probe carrying case (1pcs)		

Cables (for Probes)

Model	Length
1593-30	0.5m
1593-31	2m
1593-32	5m
1593-33	10m
1593-34	20m
1593-35	40m

Cables (between Units (Main, Hub, and Analog))

Model	Length
1580-30	0.5m
1580-31	2m
1580-32	5m
1580-33	10m
1580-34	20m
1580-35	40m

AC Adaptor

Model	Output Power	Input Power
1580-10	90W	AC100~240V 50/60Hz, 1.5A
1590-11	160W	AC100~240V 50/60Hz, 1.5A

DC Power Cable

Model	Length
1580-37	2m



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 NOTE: The information on this catalog may be changed without advance notification