

Handheld Particle Counter

MODEL 3888/3889

User Manual

List of Components

■ Standard

Items	MODEL	Functions
Body	3888	Body (or 3889)
AC Adaptor	3888-10	Operates the instrument with AC power and
	3666-10	charge the internal rechargeable battery
USB Cable	3888-20	Communicates with PC or Printer
Zero Count Filter with tubing	3888-60	Cleans the air flow path inside the instrument
	3000-00	with clean air
Inlet Protective Cap	3888-61	Keeps out dust and contaminants from the
	3666-01	instrument when not in use
18650 Lithium ion battery		Supplies power to the instrument
		Nominal voltage:3.7V
	_	Rated capacity:2600mAh min.
	_	Outline size:18mm
		Length:69mm
		With a protection function
Quick Start Guide	-	
Measurement Software	3888-40	

■ Optional Accessories

Items	MODEL	Functions
Temperature/Humidity	0842	Measures temperature and humidity
Probe	0042	
Cradle	3888-70	Stands the instrument and perform
	3666-70	Ethernet/Wi-Fi/RS485 communications
Isokinetic Suction Nozzle	3887-04	To be connected to the inlet to match the
	3667-04	measurement condition with the sampling air
Carrying Case	3888-71	Stores the instrument
Tripod	EX-344Q	
Printer	DPU-S245-	Prints the measured data directly from the
	00B	instrument
Printer Cable	3888-21	Connects the instrument with a printer
Printer Roll Paper	TP-202L	A 10-roll package

Important Safety Information

The symbols for the warnings used in this manual are defined below:

Classifications



Warning

Warnings in this classification indicate risks that may result in serious injury or death if not observed.



Caution

Warnings in this classification indicate risks that may result in injury or damage to the surrounding objects if not observed.

Notice

Warnings in this classification indicate risks of damage to the product that may void the product warranty if not observed.

Description of Symbols



This symbol indicates a condition that requires caution (including warning). The subject of each caution is illustrated inside the triangle (e.g. the high temperature caution symbol is shown on the left).



This symbol indicates a prohibition. Do not take the prohibited action shown inside or near this symbol (e.g. the disassembly prohibition symbol is shown on the left).



This symbol indicates a mandatory action. A specific action is given near the symbol.



This symbol indicates a warning of possible laser radiation.



Warning



(Forbidden) Do not use the AC adaptor other than the provided one with the instrument.

Using an inappropriate adaptor may damage the instrument. It may generate heat and cause fire.



(Do not remodel/disassemble) Never disassemble, modify, or repair.

This instrument uses a Class 3B laser diode as the light source. Exposure to the laser may cause loss of eyesight and other injury. Never open the instrument other than the battery compartment.



(Handle properly) Handle the instrument properly in accordance with the

instructions provided in this manual.

Failure to do so may cause electric shock, fire, or sensor damage.





(Caution) If abnormal noise, smell, or smoke is observed, or if liquid has entered the instrument, turn off the power immediately, remove the batteries or pull out the plug.

Failure to observe the above may cause electric shock, fire hazard, or damage.

Please contact your local distributor or Kanomax service center for repair.



Caution



(Handle properly) Pull out the plug when the instrument is not in use.

Failure to do so may cause electric shock, fire hazard, and circuit damage.

Notice



(Forbidden) Do not use or keep the instrument in hot, humid, or dusty environment. Do not expose the instrument to direct sunlight for a prolonged period of time.

The instrument may not function properly out of the specified operational temperature range.



(Forbidden) Do not subject the instrument to strong impact.

Dropping or hitting the instrument may cause damage and malfunction.



(Forbidden) Do not wipe the instrument with volatile solvent.

The body may deform or deteriorate. Use soft dry cloth to remove stains. If stains persist, soak the cloth in neutral detergent and wipe the instrument with the cloth.



(Forbidden) Do not touch the LCD screen with a sharp-pointed object or with excessive pressure.

It may cause distortion of the screen or a malfunction.

A rapid temperature change may cause a malfunction of the screen.



(Handle properly) When storing the instrument, put the instrument in the carrying bag and keep it in a place with an ambient temperature of -10 to 50° C and no condensation.



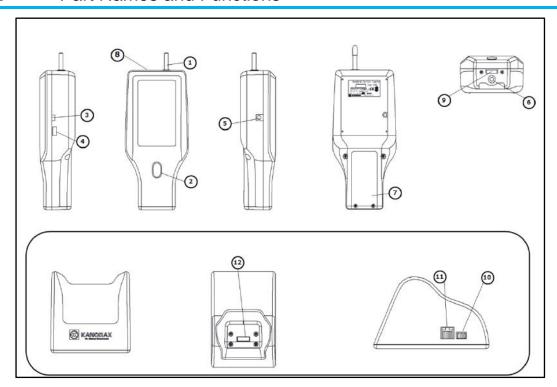
(Forbidden) Do not dispose of the instrument as household waste.

Please note that the disposal of the instrument and batteries should be in line with your local or national legislations. For details, please consult with your local distributor.

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§1 Part Names and Functions



The cradle is an optional accessary.

Names	Functions
1. Inlet	2.83L/min suction volume
	Outer diameter 6.4mm
2. Power/Home button	Turns the power ON/OFF
	To return to the Main screen in operation
3. USB port (for PC)	Connects with your PC by using the USB
	cable
4. USB port (for Printer, for USB flash	Connects with the printer by using the
memory)	USB cable
	Allows you to copy the measurement
	results to the USB flash drive
5. DC jack	Supplies power with the provided AC
	adaptor
6. Threaded tripod mount	Attaches instrument to the tripod
7. Battery compartment	The battery is replaceable
8. Temperature/Humidity probe terminal	Connects the temperature/humidity
(only for 3889)	probe
9. Communication port with cradle	Communicates with the cradle
10. Communication port	RS-485 port
11. Communication port	Communicates with the Ethernet
12. Communication port with the Main	Communicates with the main body
body	

§ 2 Getting Started

Charging Batteries

- This instrument operates on the internal rechargeable battery or the provided AC adaptor.
 Connect the provided AC adaptor to start charging. It takes approximately 5 hours to charge the battery completely.
- If the battery's run-time becomes shorter, the battery is replaceable. Open the compartment to replace the batteries with new 18650 Lithium-ion rechargeable batteries with protection circuit. (69mm length).

Caution

 Rapid temperature changes may cause measurement errors. When moving the instrument from one location to another with different ambient temperature allow a sufficient time for the instrument to return to room temperature. (more than ten minutes)

Checking the Temperature/Humidity Probe (Optional accessory for the MODEL 3889)

 Prolonged measurement under high temperature conditions or measurement under rapid temperature change may result in abnormally high humidity readings due to condensation.
 If condensation occurs, leave the probe in atmosphere of 40%RH or less for 24 hours to dry the probe.

Turning the Power ON/OFF

- Press and hold the Home button to turn the power on. A logo appears and then it turns to the startup screen. When the pump and other parts are ready to perform a measurement, the Main screen for ready to measure will be displayed.
- To turn the power OFF, press and hold the Home button (3 second or more) from any screens.

§ 3 Measurement Procedures

Turning the Power ON

• Press and hold the Home button to turn the power on. A logo appears and then it turns to the startup screen. Touch the startup screen to display the Main screen ready to measure.

Internal Cleaning

- Prior to use, purge the instrument (for internal cleaning) with the provided zero filter.
- Remove the Inlet protective cap, and attach the provided zero count filter to the inlet.
- Turn the power on and press the Start button. Perform a continuous measurement for 10 to 15 minutes until the measuring count value is suitable for 10 sec. or more.
- After measurement, remove the zero count filter from the inlet.

Measurement

- Use the General setup and Measurement setup sub-menus to configure the necessary settings.
- Set the measurement conditions from the Measurement mode. You can also select the measurement conditions from the Preset.
- Return to the Main screen. Press the Start button to perform a measurement.
- The measurement will complete automatically or by pressing the Stop button.
- The previous measurement results can be viewed from the History sub-menu.

Turning the Power OFF

• Press and hold the Home button from any screens to turn the power OFF.

Errors

• The following table explains possible errors due to self-diagnosis function. Even if an error occurs, the measurement and other processes will be continued.

Laser power failure	Failure or end-of-life of the laser diode
Flow rate	The pump current has increased or decreased. Remove the inlet cap and filter from the instrument. If the error persists, the possible cause is failure or the end-of-life of the pump.
Maximum measurable concentration exceeded	The concentration exceeds the maximum measurable range. Perform the measurement at a cleaner location or with the Zero count filter

User Interface

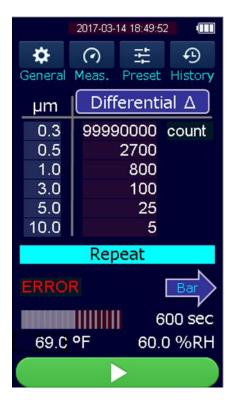
Main Screen

• There are four configurations for the main screen that can be selected to best suit your purposes. (The figures below show the user interfaces of 6 channel Model 3889.) From each Main screen, you can move to sub-menu screens.

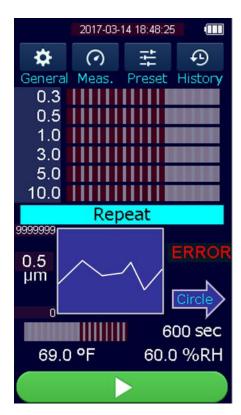
Table Cumulative



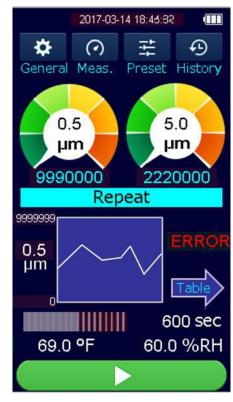
Table
Differential



Bar



Circle



Icons	Names	Functions
*	General setting	Opens the menus to set the unit, calendar, data, sound, language and to display instrument information
(P)	Measurement setting	Opens the menu to set the mode, alarm, save, remote and temperature/humidity
	Preset	Opens the menu to set or select up to 18 Presets
•	History	Views the historical data or measurements
	Change chart types	Switches the chart types: Bar \rightarrow Circle \rightarrow Table Σ
Σ	ΣΔ Display Switching	Switches between Cumulative Σ and Differential Δ
Δ	ΣΔ Display Switching	Switches between Cumulative Σ and Differential Δ
	Start	Starts a measurement
	Stop	Stops a measurement
0.5 µm	Particle Size Setup	Tap the chart window to set the required particle size
0.5 µm 2700	Particle Size Setup	Tap the circle chart to set the required particle size
ERROR	Error	Tap the Error to display an error description
(111)	Battery Level	Icons show how much battery is remaining. AC adapter operates AC adapter operates

Icons	Names	Functions				
		Displays the selected measurement modes				
		Mada	Display			
		Mode	Main			
		Repeat	Repeat			
		Single	Single			
		Continuous	Continuous			
		Calculation	Calculation			
		ISO	ISO			
Repeat	Mode	GB	GB			
	Display	Displays the se	elected preset mo	odes		
				Display		
		Mode	Preset 1	Preset 2	Preset 3	
		Repeat	P1(Repeat)	P2(Repeat)	P3(Repeat)	
		Single	P1(Single)	P2(Single)	P3(Single)	
		Continuous	P1(Continuous)	P2(Continuous)	P3(Continuous)	
		Calculation	P1(Calculation)	P2(Calculation)	P3(Calculation)	
		ISO	P1(ISO)	P2(ISO)	P3(ISO)	
		GB	P1(GB)	P2(GB)	P3(GB)	

General setting

• Select the [General setting] icon on the Main screen to set the unit, calendar, data, language, and sound. This menu indicates the instrument information.



Icons	Names	Functions			
		Select one of the following 3 options of units to reflect to the			
_		Select one of the following 3 options of units to reflect to readings displayed on the Main screen and Measurer results. count: Measured particle count m3: Particle count per cubic meter ft3: Particle count per cubic foot Set the date and time Touch the setup button to display the numeric key			
- 2	Unit	Select one of the following 3 options of units to reflect to to readings displayed on the Main screen and Measurement results. count: Measured particle count m3: Particle count per cubic meter ft3: Particle count per cubic foot Set the date and time Touch the setup button to display the numeric keyparenter 2 digits in blanks for year, month, day, hour, and			
	Offic	·			
		 count : Measured particle count /m3: Particle count per cubic meter /ft3: Particle count per cubic foot 			
		Select one of the following 3 options of units to reflect to readings displayed on the Main screen and Measuremersults. • count: Measured particle count • /m3: Particle count per cubic meter • /ft3: Particle count per cubic foot Set the date and time • Touch the setup button to display the numeric keypenter 2 digits in blanks for year, month, day, hour, and the setup blanks for year, hour, and the setup blanks for year, hour, and the setup blanks for year, hour, and th			
		Set the date and time			
(L)	Calendar	Touch the setup button to display the numeric keypad.			
	Calendar	readings displayed on the Main screen and Measurement results. count: Measured particle count /m3: Particle count per cubic meter /ft3: Particle count per cubic foot Set the date and time Touch the setup button to display the numeric keypad. Enter 2 digits in blanks for year, month, day, hour, and			
		minute.			

Icons	Names	Functions			
	Data	 Confirms the information and perform operation on the en measured data Memory remaining: Displays the ratio of the free space to whole memory capacity. Number of Records: Displays the number of the sto records. Copy: Copies all files to the USB flash memory. Delete: Deletes all files. It is therefore recommended copy the files prior to use this function. Note that copying the measured data to the USB flash mem and deleting from the internal memory are not partial but be processing. Follow the following procedure. Step 1 Step 2 Step 3 Select [Data] [Copy the measured data to the USB Flash Memory] General setting Copy all [Copy all] button. [Delete the measured Data] Delete all [Delete all] button. 	the red to		
Aa	Language	Selects a language English, Japanese, Chinese, Spanish			
4))	Sound	Sets the operation sound ON/OFF			
•	Information	Displays the instrument information Latest calibration date: Depending on the usage and condition, it is normally recommended to calibrate at least once a year. Version: To show firmware version of the instrument.			

Measurement setting

• Select [Measurement Setup] in the Main screen to set the mode, alarm, save, remote, and temperature/humidity.



Icons	Names			Fu	unctions		
		perform Reference tin Sin on Co St Co sta IS	med under the peat mode: ne and cycle. ngle mode: Pace. ontinuous mode button alculation mode the andard deviation mode: Perf	re latest mode. Repeats the de: Continue de: Repeats metion, maximus forms measurforms mea	e setting. measurement es a measure the measu ode and the im, and mining rements in ac	of set sampli ment until rement under n calculate mum ccordance wit	ments will be red sampling ing time only pressing the er the same the average, th ISO 14644 with Chinese
		Se	et the require	ed conditions	for 6 options	of measure	ment modes.
(*)				location	time	Repeat count	Interval time
` ₩	Mode		Repeat	√	✓	✓	✓
			Single	✓	✓	_	
			Continuous	✓	_	_	_
			Calculation	✓	✓	✓	✓
			ISO	✓	✓	✓	✓
			GB	✓	✓	✓	✓
		-	dication (
		Set the	e measureme	Esc 7 8 4 5 1 2 0 \leftarrow	X 9 6 3	numbers.	

Items	Description	Range
Location	Sets measurement locations by number.	From 1 to 99
Sampling	Sets the sampling time of 1 cycle.	From 6 sec. to
time		99 min. 59
		sec.
Repeat	Sets the number of repeat.	From 2 to 999
count		
Interval	Sets the interval between the starting time	From 6 sec. to
time	of a measurement and the starting time of	99 min. 59
	the next measurement.	sec.
	The repeat interval must be longer than	
	sampling time. Difference between	
	interval time and sampling time is	
	suspension time.	

Icons	Names	Functions
•	Alarm	 Configures the alarm setting for the measured values in the Cumulative value. Tap indication () for each particle size to configure the following settings. Alarm: To select the alarm function ON/OFF (Default setting: OFF) Threshold: To set the threshold value for the measured cumulative value for each particle size (Default: No setting) The threshold value you set here will be the upper limit of the chart display.
	Save	Toggles between saving or not saving the measurements
모	Remote	Use this setting to perform measurements according to commands from a remote computer • Setting: sets the communication method for the "RS485", "Ethernet", "Wi-Fi" and each connection method's parameters. ID is the identification number of the device. • Connection: starts to connect outer PC
3••	Temperature/ Humidity	Sets measurement with the temperature/humidity probe ON/OFF and set the temperature unit (°C or °F) (Only for 6-channel model 3889)

Preset

• Select [Preset] in the Main screen to set and select measurement conditions.



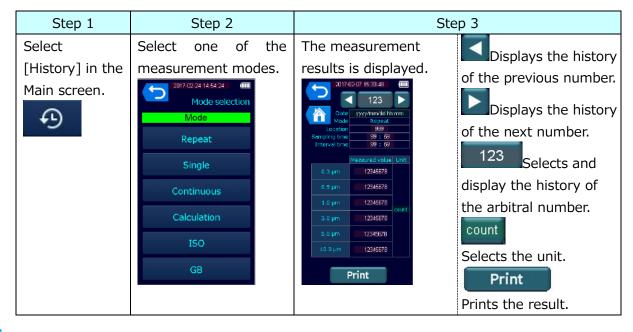
- Three options of Preset number provide 6 measurement modes each; therefore 18 measurement conditions in total can be preset.
- When setting the Preset, select one of the 18 measurement modes in the Step 3, then set the measurement conditions in the Step 4 as shown below:

Step 1	Step 2	Step 3	Step 4
Select	Select one Preset number.	Select the Mode.	Set or confirm the
[Preset] in	No measurement	Measurement	measurement
the Main	conditions have been	conditions have been	conditions. Tap ✓ to
Screen.	selected yet.	selected here.	select mode.
† †	P1 P2 P3	Repeat Single Continuous Calculation ISO GB	Preset 1 (Repeat) Location (1-99) Sampling time (60-99m590) min sec Repeat count (2-999) Interval time (60-99m590) min sec

History

• Select [History] in the Main screen to confirm the previous measurement results.





Print Example

The following figures show print examples of 6 channel model.

(1) Repeat mode

2017/3/30 11: 02		E=
Repeat	Number	1
	Location	1
	S-Time	00:21
	I -Time	00:21
0.3um	16	CNT
0.5um	14	CNT
1.0um	12	CNT
3.0um	2	CNT
5.0um	1	CNT

(2) Single, Continuous mode

2017/3/30 11: 02		E=
Single	Number	1
	Location	1
	S-Time	00:21
0.3um	16	CNT
0.5um	14	CNT
1.0um	12	CNT
3.0um	2	CNT
5.0um	1	CNT
10.0um	1	CNT

(3) Calculation mode

2017/3/30	2017/3/30 11: 02		E=
Calculation	Calculation		7
		Location	1
		S-Time	00:21
0.3um	AVE	8	B7CNT
	SD	12	28CNT
	MAX	23	35CNT
	MIN		0CNT
0.5um	AVE	;	39CNT
	SD	(66CNT
	MAX	1′	16CNT
	MIN		0CNT
1.0um	AVE	•	12CNT
	SD	•	19CNT
	MAX	;	35CNT
	MIN		0CNT
3.0um	AVE		0CNT
	SD		0CNT
	MAX		1CNT
	MIN		0CNT
5.0um	AVE		0CNT
	SD		0CNT
	MAX		0CNT
	MIN		0CNT
10.0um	AVE		0CNT
	SD		0CNT
	MAX		0CNT
	MIN		0CNT

(4) ISO mode

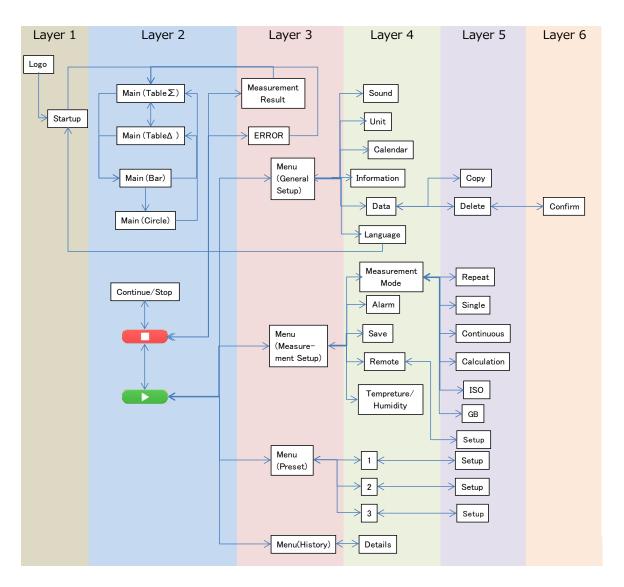
2017/3/30 11:	02		E=
ISO	Numbe	er From	1
		То	6
		S-Time	00:21
		I -Time	00:21
Piont=001		Tim	es=001
0.5um		43	/m3
5.0um		0	/m3
Piont=001		Tim	es=002
0.5um		7	/m3
5.0um		0	/m3
Piont=002		Tim	es=001
0.5um		7	/m3
5.0um		0	/m3
Piont=002		Tim	es=002
0.5um		1	/m3
5.0um		0	/m3
Piont=003		Tim	es=001
0.5um		5	/m3
5.0um		0	/m3
Piont=003		Tim	es=002
0.5um		6	/m3
5.0um		0	/m3
0.5um	AVE	11	/m3
	SD	6	/m3

(5) GB mode

2017/3/30 11: 02		
Number	From	1
	То	6
	S-Time	00:21
	I -Time	00:21
	Tim	es=001
	43	/m3
	0	/m3
	Tim	es=002
	7	/m3
	0	/m3
	Tim	es=001
	7	/m3
	0	/m3
	Tim	es=002
	1	/m3
	0	/m3
	Tim	es=001
	5	/m3
	0	/m3
	Tim	es=002
	6	/m3
	0	/m3
AVE	11	/m3
SD	6	/m3
AVE	0	/m3
SD	0	/m3
	AVE SD AVE	Number From

Screen Transition

- The screens are structured by 6 layers and the operations are mainly performed from the Layer 2 and higher.
- The Main screen for ready to measure is displayed when the instrument is not in the measuring process. The Main screen for measurement is displayed when performing measurements.
- From the Main screen before measurement, you can move to the 4 menu screens: General setting, Measurement setting, Preset, and History.
- Pressing the Home button on the main body will jump from a screen of any layers to the Table Σ on the Main screen.



Product		Handheld Particle Counter		
Model		3888 (3-channel model)		
Model		3889 (6-channel model)		
	Measuring method	Light scattering		
	Size distribution	6 channels (0.3, 0.5, 1.0, 3.0, 5.0, 10.0μm) 3 channels (0.3, 0.5, 5.0μm)		
	Flow rate	0.1CFM (2.83L/min) Accuracy: ±5% (Compliant with JIS B9921 and ISO21501-4)		
	Sampling time	From 6 seconds to 99 minutes and 59 seconds (for 1 measurement cycle)		
	Interval time	From 6 seconds to 99 minutes 59 seconds (Interval between the start and the next start of the repeat measurements)		
	Sampling cycle	From 1 to 999 cycles or continuous measurements		
	Location classification	99 locations		
	Calibration	NIST traceable		
Particle	Measuring mode	Repeat, Single, Continuous, Calculation, ISO, GB		
Measurement	Display time of measured value	From 1 to 10 seconds		
	Display of measured value	Differential Δ and Cumulative Σ		
	Maximum measurable Concentration	2,000,000 particles/CF at 10% coincidence loss (compliant with JIS B9921 and ISO21501-4)		
	Counting efficiency	50±20% (for PSL particles near the minimum measurable size) 100±10% (for PSL particles of 1.5 to 2 times as large as the minimum measurable size) (Compliant with JIS B9921 and ISO21501-4)		
	False count	≤1 particle/5 minutes (Compliant with JIS B9921 and ISO21501-4)		
	Size resolution	≤15% (for PSL particles near 0.3µm) (Compliant with JIS B9921 and ISO21501-4)		
	Pump	Internal pump (Vane)		
	Exhaust	With filter		
Display		4.3 inch color LCD, Resistive touch panel		

		T		
	Standard	USB (Host: for printer and USB flash memory,		
Communication	Starradra	Device: for PC)		
	Cradle (Option)	Ethernet, Wi-Fi, and RS485 (9600, 19200, 38400 baud)		
Dogardina	Media	Internal memory		
Recording	Number and	Un to 10 000 manufacing CCV formands		
media	format	Up to 10,000 records in CSV format		
Language		English, Japanese, Chinese, and Spanish		
	Internal supply	Li-ion rechargeable battery (Replaceable)		
Davis	External supply	AC adaptor Input 100 to 240 V		
Power	Continuous	Harta E harras (Giarda maranta)		
	operation time	Up to 5 hours (Single measurement)		
Operating	Main body	From 10 to 40 °C, from 0 to 85%RH (With no condensation)		
environment	Probe	From 0 to 50 °C, from 2 to 98%RH (With no condensation)		
Dimension		W100 X H213 X D55 mm		
Weight		650g		
	Probe	Model 0842		
	Measurement	(Temperature) From 0 to 50℃		
	range	(Humidity) From 2.0 to 98.0%RH		
Hydrothermal	Display	(Temperature) 0.1℃		
measurement	resolution	(Humidity) 0.1%		
(Option) Humidity		12 00/ (20 t- 050/DH) 150/ (H		
(6 channel)	accuracy	$\pm 3.0\%$ (30 to 85%RH), $\pm 5\%$ (other range of humidity)		
	Temperature	+0 €%		
	accuracy	±0.5℃		
	Response time	Approximately 60 seconds or less (90% response)		

Wi-Fi is a trademark or a registered trademark of Wi-Fi Alliance.

§ 6 Troubleshooting

Symptoms	Possible causes(s) \rightarrow Solution(s)	Reference
The display does not appear when the power is turned ON.	The AC adapter is not connected properly. → Confirm the AC adapter and power cable. Low battery → Replace the batteries. → Recharge the batteries.	6
The battery drains fast.	The battery is deteriorated. → Replace the battery	6
Particle count or concentration is too high.	The actual concentration is high or the instrument may malfunction. → Attach the provided Zero count filter and confirm that the reading drops to zero. If the reading remains high, the instrument may malfunction. Please contact Kanomax USA.	7
Particle count or concentration is too low.	Laser power failure or flow error → The instrument may malfunction. Please contact Kanomax USA.	-
The printer does not operate.	Incorrect baud rate setting \rightarrow Confirm the printer setting.	-
Data can not be stored.	Saving data function is OFF →Confirm the save setting. The number of recorded data may exceed 10,000.	12 10
The measured value of the particles maybe higher in Wi-Fi remote mode.	If Wi-Fi remote connection is used above a metal conductor, the Wi-Fi radio wave may be reflected and affect the measured result. → When using Wi-Fi connection above any metal conductor, please use a non - metallic spacer of 3 cm or more.	-

§ 7 Warranty and After Service

The limited warranty set below is given by KANOMAX USA, Inc. (hereafter referred to as "KUI") with respect to this instrument, its attachment parts including standard accessories (hereafter referred to as "PRODUCT") that you have purchased. PRODUCT you have purchased shall be the only one that the limited warranty stated herein applies to.

Your PRODUCT, when delivered to you in new condition in its original container, is warranted against defects in materials or workmanship as follows: for a period of two (2) years from the date of original purchase, defective parts or a defective PRODUCT returned to KUI, as applicable, and proven to be defective upon inspection, will be exchanged for a new or comparable rebuilt parts, or a refurbished PRODUCT as determined by KUI. Warranty for such replacements shall not extend the original warranty period of the defective PRODUCT.

To obtain service under this warranty, you must notify Kanomax USA, Inc. on or before the expiration of the warranty period to obtain directions for returning the defective product. You are responsible for all return shipping charges to the authorized Kanomax service center.

This limited warranty covers all defects encountered in normal use of the PRODUCT, and does not apply to the following cases:

- (1) Use of parts or supplies other than the PRODUCT sold by KUI, which cause damage to the PRODUCT or cause abnormally frequent service calls or service problems.
- (2) If any PRODUCT has its serial number or date altered or removed.
- (3) Loss or damage to the PRODUCT due to abuse, mishandling, improper packaging by the owner, alteration, accident, electrical current fluctuations, failure to follow operating, maintenance or environmental instructions prescribed in the PRODUCT's instruction manual provided by KUI, or service performed by other than KUI.

NO IMPLIED WARRANTY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, APPLIES TO THE PRODUCT AFTER THE APPLICABLE PERIOD OF THE EXPRESS LIMITED WARRANTY STATED ABOVE, AND NO OTHER EXPRESS WARRANTY OR GUARANTY, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON OR ENTITY WITH RESPECT TO THE PRODUCT SHALL BIND KUI SHALL NOT BE LIABLE FOR LOSS OF STORAGE CHARGES, LOSS OR CORRUPTION OF DATA, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE OR MISUSE OF, OR INABILITY TO USE, THE PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF KUI HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. EVENT SHALL RECOVERY OF ANY KIND AGAINST KUI BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY KUI AND CAUSING THE ALLEGED DAMAGE. THE FOREGOING, THE OWNER ASSUMES ALL RISK AND LIABILITY FOR LOSS, DAMAGE OF, OR INJURY TO THE OWNER AND THE OWNER'S PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF USE OR MISUSE OF, OR INABILITY TO USE, THE PRODUCT NOT CAUSED DIRECTLY BY THE NEGLIGENCE THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THE PRODUCT, OR THE PERSON FOR WHOM IT WAS PURCHASED AS A GIFT, AND STATES THE PURCHASER'S EXCLUSIVE REMEDY.



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