

Handheld Particle Counter

Model 3888 & 3889

The Model 3888 (3-channel) and 3889 (6-channel) Handheld Particle Counters utilize the same, proven parts that made the original Handheld Particle Counters so reliable. The instruments meet/exceed new ISO 21501-4 Standards and are fully RoHS compliant. The instruments now have a base/stand for advanced communication capabilities (Wi-Fi, Ethernet, RS485), a larger, full color touchscreen display, and enables real time monitoring while connected to a PC.

## Applications:

- · Monitor and Verify Cleanrooms (Pharmaceutical, Semi Conductor, Food Industry)
- · Monitor Surgical Rooms
- · Filter Testing
- · IAQ Investigation
- · Data Center Cleaning











## Features & Benefits

- 3888 measures particle sizes: 0.3µm, 0.5µm & 5.0µm
- 3889 measures particle sizes 0.3µm, 0.5µm, 1.0µm, 3.0µm, 5.0µm, 10.0µm
- Easy-to-use interface is displayed on a 4.3 in. color LCD, resistive touch panel screen
- On-board data storage up to 10,000 measurements
- Creates Microsoft Excel compatible .CSV file without the need for additional software and user can download it via USB memory
- Kanomax Measuring Software displays and graphs the measurement data in real-time while connected to PC
- Language options include English, Spanish, Japanese, and Chinese



## Handheld Particle Counter Models 3888/3889 Specifications

Model   3888 (3-channel model)   3889 (6-channel model)   3889 (6-channel model)   3 channels (0.3, 0.5, 5, 0μm)   6 channels (0.3, 0.5, 1.0, 3.0, 5.0, 10.0μm)   6 channels (0.3, 0.5, 1.0, 3.0, 5.0, 10.0μm)   6 channels (0.3, 0.5, 1.0, 3.0, 5.0, 10.0μm)   Flow rate	Product		Handheld Particle Counter
Sizes   Size	Model		3888 (3-channel model)
Particle			3889 (6-channel model)
Flow rate		Sizes	3 channels (0.3, 0.5, 5.0μm)
Flow rate   Accuracy: ±5% (Compliant with JIS B9921 and ISO21501-4)			6 channels (0.3, 0.5, 1.0, 3.0, 5.0, 10.0μm)
Particle   Maximum   10% for 2,000,000 particles/CF   (compliant with JIS B9921 and ISO21501-4)			
Accuracy: ±5% (Compliant with JIS B9921 and ISO21501-4)  Maximum measurable Concentration  Concentration  Counting efficiency  False count  False count  Compliant with JIS B9921 and ISO21501-4)  False count  False count  Size resolution  Compliant with JIS B9921 and ISO21501-4)  False count  Size resolution  Compliant with JIS B9921 and ISO21501-4)  False count  Size resolution  Size resolution  Compliant with JIS B9921 and ISO21501-4)  Size resolution  Size resolution  Compliant with JIS B9921 and ISO21501-4)  Size resolution  Standard  Standard  Standard  Standard  Stand (option)  RS485, Ethernet, and WiFi connection points in the base/stand  Media  Internal memory  Number and format  Language  Media  Internal memory  Number and format  Li-ion rechargeable battery (Replaceable)  External supply  Continuous operation time  Continuous operation time  Probe  From 0 to 40 °C, from 0 to 85%RH (With no condensation)  Probe  From 0 to 50 °C, from 2 to 98%RH (With no condensation)  Weight  Measurement range  (Temperature) From 0 to 50 °C  Temperature) From 0 to 50 °C  Temperature) From 0 to 50 °C		Flow rate	0.1CFM (2.83L/min)
Particle  Measurement  Measurement range  Measureme			Accuracy: ±5% (Compliant with JIS B9921 and ISO21501-4)
Particle  Measurement  Measurement  Counting efficiency  Counting efficiency  Counting efficiency  Particle  Counting efficiency  Counting efficiency  Counting efficiency  False count  False count  Size resolution  Compliant with JIS B9921 and ISO21501-4)  Size resolution  Size resolution  Compliant with JIS B9921 and ISO21501-4)  Size resolution  Size resolution  Compliant with JIS B9921 and ISO21501-4)  Size resolution  Size resolution  Size resolution  Compliant with JIS B9921 and ISO21501-4)  Size resolution  Size resolution  Size resolution  (Compliant with JIS B9921 and ISO21501-4)  Size resolution  Size resolution  Size resolution  Size resolution  (Compliant with JIS B9921 and ISO21501-4)  Size resolution		Maximum	100/ for 2 000 000 portiolog/CE
Particle Measurement  Concentration  So ± 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  False count  Size resolution  Size resolution  Size resolution  Size resolution  Standard  Compliant with JIS B9921 and ISO21501-4)  4.3 inch color LCD, Resistive touch panel  USB (Host: for printer and USB flash memory, Device: for PC)  Stand (option)  RS485, Ethernet, and WiFi connection points in the base/stand  Media  Internal memory  Number and format  Up to 10,000 records in CSV format  Language  English, Japanese, Chinese, and Spanish  Li-ion rechargeable battery (Replaceable)  External supply  AC adaptor Input 100 to 240 V  Continuous operation time  S hours (Single measurement)  Operating  Main body  From 10 to 40 °C, from 0 to 85%RH (With no condensation)  Dimension  Weight  Measurement ranse  Measurement ranse  Measurement ranse  Measurement ranse  To time Single measurement From 0 to 50°C  (Temperature) From 0 to 50°C		measurable	
Counting efficiency    Counting efficiency		Concentration	(Compilant with 35 B3321 and 13021301-4)
Counting efficiency  measurable size) (Compliant with JIS B9921 and ISO21501-4)  False count  Size resolution  Size resolutio		Counting efficiency	$50\pm20\%$ (for PSL particles near the minimum measurable size)
measurable size) (Compliant with JIS B9921 and ISO21501-4)    Size resolution   Size resolution   Standard			$100\pm10\%$ (for PSL particles of 1.5 to 2 times as large as the minimum
False count  False count  False count  Size resolution  Size resolution  Size resolution  False count  Size resolution  False (Compliant with JIS B9921 and ISO21501-4)  4.3 inch color LCD, Resistive touch panel  USB (Host: for printer and USB flash memory, Device: for PC)  Stand (option)  RS485, Ethernet, and WiFi connection points in the base/stand  Internal memory  Number and format  Up to 10,000 records in CSV format  English, Japanese, Chinese, and Spanish  Li-ion rechargeable battery (Replaceable)  External supply  AC adaptor Input 100 to 240 V  Continuous operation time  Shours (Single measurement)  Operating environment  Probe  From 10 to 40 °C, from 0 to 85%RH (With no condensation)  Probe  From 0 to 50 °C, from 2 to 98%RH (With no condensation)  Dimension  Weight  Measurement range  Measurement range  Measurement range			measurable size)
False count   (Compliant with JIS B9921 and ISO21501-4)     Size resolution   \$\leq 15\% (for PSL particles near 0.3\mum) \ (Compliant with JIS B9921 and ISO21501-4)     Display			(Compliant with JIS B9921 and ISO21501-4)
Compliant with JIS B9921 and ISO21501-4)   Size resolution   Si		False count	≦1 particle/5 minutes
Size resolution		Taise count	(Compliant with JIS B9921 and ISO21501-4)
Display  4.3 inch color LCD, Resistive touch panel  USB (Host: for printer and USB flash memory, Device: for PC)  Stand (option)  Recording media  Recording media  Media  Internal memory Number and format  Language  Internal supply  External supply  Continuous operation time  Depracting  Main body  Probe  From 10 to 40 °C, from 2 to 98%RH (With no condensation)  Probe  Weight  Measurement range  (Temperature) From 0 to 50 °C		Sizo recolution	≤15% (for PSL particles near 0.3μm)
Communication  Standard  Device: for PC)  Stand (option)  RS485, Ethernet, and WiFi connection points in the base/stand  Media  Internal memory  Number and format  Up to 10,000 records in CSV format  Language  English, Japanese, Chinese, and Spanish  Internal supply  External supply  AC adaptor Input 100 to 240 V  Continuous operation time  Operating  environment  Probe  Main body  From 10 to 40 °C, from 0 to 85%RH (With no condensation)  Probe  From 0 to 50 °C, from 2 to 98%RH (With no condensation)  W213 X H100 X D55 mm  Weight  Measurement range  Measurement range  Weasurement range  USB (Host: for printer and USB flash memory, Device: for PC)  Stand (option)  RS485, Ethernet, and WiFi connection points in the base/stand  Weight Standard  Media  Internal memory  Li-ion rechargeable battery (Replaceable)  Shours (Single measurement)  5 hours (Single measurement)  From 0 to 50 °C, from 0 to 85%RH (With no condensation)  W213 X H100 X D55 mm  Weight  Measurement range		Size resolution	(Compliant with JIS B9921 and ISO21501-4)
Standard   Device: for PC	Display		4.3 inch color LCD, Resistive touch panel
Device: for PC	Communication	Standard	USB (Host: for printer and USB flash memory,
Recording media    Media   Internal memory		Stanuaru	Device: for PC)
Recording media  Number and format  Up to 10,000 records in CSV format  English, Japanese, Chinese, and Spanish  Li-ion rechargeable battery (Replaceable)  External supply  Continuous operation time  Operating environment  Probe  Main body Probe  From 0 to 40 °C, from 0 to 85%RH (With no condensation)  Probe  From 0 to 50 °C, from 2 to 98%RH (With no condensation)  Weight  Measurement range  Measurement range  Measurement range  Vigoria 10,000 records in CSV format  Li-ion rechargeable battery (Replaceable)  AC adaptor Input 100 to 240 V  5 hours (Single measurement)  From 0 to 40 °C, from 0 to 85%RH (With no condensation)  W213 X H100 X D55 mm  (Temperature) From 0 to 50°C		Stand (option)	RS485, Ethernet, and WiFi connection points in the base/stand
Number and format Up to 10,000 records in CSV format  English, Japanese, Chinese, and Spanish  Li-ion rechargeable battery (Replaceable)  External supply Li-ion rechargeable battery (Replaceable)  External supply AC adaptor Input 100 to 240 V  Continuous operation time 5 hours (Single measurement)  Operating Main body From 10 to 40 °C, from 0 to 85%RH (With no condensation)  Probe From 0 to 50 °C, from 2 to 98%RH (With no condensation)  Dimension W213 X H100 X D55 mm  Weight 650g  Hydrothermal Measurement range	Recording media	Media	Internal memory
Power    Internal supply   Li-ion rechargeable battery (Replaceable)		Number and format	Up to 10,000 records in CSV format
Power  External supply AC adaptor Input 100 to 240 V  Continuous operation time 5 hours (Single measurement)  Operating environment Probe From 0 to 50 °C, from 0 to 85%RH (With no condensation)  Dimension W213 X H100 X D55 mm  Weight 650g  (Temperature) From 0 to 50 °C  (Temperature) From 0 to 50 °C	Language		English, Japanese, Chinese, and Spanish
Power    Continuous operation time   5 hours (Single measurement)	Power	Internal supply	Li-ion rechargeable battery (Replaceable)
Continuous operation time 5 hours (Single measurement)  Operating environment Probe From 0 to 50 °C, from 0 to 85%RH (With no condensation)  Dimension Weight Measurement range  Measurement range  The description of the following states of the fol		External supply	AC adaptor Input 100 to 240 V
environment Probe From 0 to 50 °C, from 2 to 98%RH (With no condensation)  Dimension W213 X H100 X D55 mm  Weight 650g  Hydrothermal Measurement range (Temperature) From 0 to 50 °C		'	5 hours (Single measurement)
Dimension W213 X H100 X D55 mm  Weight 650g  (Temperature) From 0 to 50°C	Operating	Main body	From 10 to 40 °C, from 0 to 85%RH (With no condensation)
Weight 650g  Hydrothermal Measurement range (Temperature) From 0 to 50°C	environment	Probe	From 0 to 50 °C, from 2 to 98%RH (With no condensation)
Hydrothermal Measurement range (Temperature) From 0 to 50°C	Dimension		W213 X H100 X D55 mm
Hydrothermal Measurement range	Weight		650g
Hydrothermal Measurement range (Humidity) From 2.0 to 98.0%RH	Hydrothermal Measurement (Available as an option for the 6- channel <i>portable</i> particle counter)	Measurement range	(Temperature) From 0 to 50°C
the state of the s			(Humidity) From 2.0 to 98.0%RH
(Temperature) 0.1°C		Display resolution	(Temperature) 0.1°C
(Humidity) 0.1%			(Humidity) 0.1%
Humidity accuracy $\pm 3.0\%$ (30 to 85%RH), $\pm 5\%$ (other range of humidity)		Humidity accuracy	$\pm 3.0\%$ (30 to 85%RH), $\pm 5\%$ (other range of humidity)
. Temperature		· ·	±0.5°C
Response time Approximately 60 seconds or less (90% response)		Response time	Approximately 60 seconds or less (90% response)

Specifications are subject to change without notice.



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