



# Handheld Particle Counters

The Model 3888 (3-channels) and 3889 (6-channels) Handheld Particle Counters utilize some of the same, proven parts that made our original Handheld Particle Counters so reliable and accurate, along with new and advanced components that increase power and ability. These instruments meet and exceed new ISO 21501-4 Standards and are fully RoHS compliant. The new base offers advanced communication capabilities like Wi-Fi, Ethernet and RS485, and the device has a much larger, full color, graphic touchscreen display. These particle counters can also be remotely controlled as well as monitored through a PC, which allows for convenient 24/7 monitoring with Kanomax's advanced software.

## Applications:

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



µm	Cumulative count
0.3	16455
0.5	2120
1.0	567
3.0	95
5.0	28
10.0	9

600 sec  
69.0 °C / 60.0 %RH

## Features & Benefits

- Model 3888 measures particle sizes: 0.3µm, 0.5µm & 5.0µm
- Model 3889 and 3889-01 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-inch, full color crack resistant, LCD touchscreen
- On-board data storage of 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 setting options include English, Chinese, Japanese and Spanish



Sleek/Modern Instrument Design

Windows 10 Compatible Software for Remote Controlling

# Handheld Particle Counter Models 3888/3889 Specifications

Product		Handheld Particle Counter
Model		3888 (3-channels) 3889 (6-channels with temp. and hum measurement) 3889-01 (6-channels without temp. and hum)
Particle Measurement	Sizes	3 channels (0.3, 0.5, 5.0 μm) 6 channels (0.3, 0.5, 1.0, 3.0, 5.0, 10.0 μm)
	Flow rate	0.1CFM (2.83L/ min) Accuracy: ±5% (Compliant with ISO21501-4 and JIS B9921)
	Maximum measurable concentration	10% for 2,000,000 particles/CF (compliant with ISO21501-4 and JIS B9921)
	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 ISO21501-4 and JIS B9921)
	False count	≤1 particle/ 5 minutes (Compliant with ISO21501-4 and JIS B9921)
	Size resolution	≤15% (for PSL particles near 0.3μm) (Compliant with ISO21501-4 and JIS B9921)
Display		4.3 inch color LCD, Resistive touch panel
Communication	Main unit	USB (USB I/F and micro USB I/F) (for use with PC, printer and/ or USB memory device)
	Stand (option)	RS485, Ethernet, and WiFi
Recording Media	Media	Internal memory
	Number and format	Up to 10,000 records in CSV format
Language		English, Chinese, Japanese and Spanish
Power	Internal supply	Li-ion rechargeable battery (Replaceable)
	External supply	AC adaptor Input 100 to 240 V
	Continuous operation time	Max. 5 hours
Operating environment	Main body	From 10 to 40 °C, from 0 to 85%RH (With no condensation)
	Probe (0842) *For 3889	From 0 to 50 °C, from 2 to 98%RH (With no condensation)
Dimension		W 213 x H 100 x D 55 mm
Weight		650g
Hydrothermal Measurement (Optional probe for 3889)	Measurement range	(Temperature) From 0 to 50°C (Humidity) From 2.0 to 98.0 %RH
	Display Resolution	(Temperature) 0.1°C (Humidity) 0.1%
	Humidity accuracy	±3.0% (30 to 85%RH), ±5% (other range of humidity)
	Temperature accuracy	±0.5°C
	Response time	Approximately 60 seconds or less (90% response)

Specifications are subject to change without notice.

## OPTIONAL ITEMS

### Meter Stand MODEL 3888-70



- Communication function: Ethernet, Wi-Fi, RS-485
- Size: W100×H106×D147mm

### Temperature & Humidity Probe MODEL 0842



- Measurement range: 0 to 50°C (Temperature), 2.0 to 98.0%RH (Humidity)
- Resolution: 0.1°C (Temperature), 0.1% (Humidity)
- Accuracy of Temperature: ±0.5°C
- Accuracy of Humidity: ±3.0% (\*30% to 85%RH), ±5% (\*other range than 30% to 85%RH)
- Responsibility: Within approx. 60sec (\*90% response)

### Printer MODEL DPU-S245-00C-E



### Isokinetic Probe MODEL 3887-04



### Carrying Case MODEL 3888-71



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