



# Handheld Condensation Particle Counter Model 3800+

## Optimal Screening Tool for Nano Particles

The New Handheld CPC (3800+) from Kanomax will detect particles as small as 10nm. The Condensation Particle Counter can store measurement data onboard and conduct measurements via the advanced dedicated software. This instrument can be used for automobile exhaust gas measurement/analysis, aerosol research, indoor environment investigation and for counting ultrafine particulate in clean rooms.

## Applications

- Indoor Air Quality Investigation
- Occupational Health Control
- Gasket Leakage Testing
- Engine Exhaust Testing
- Filter Testing
- Aerosol Research



Checking worker exposure to airborne contaminants



Leakage Testing

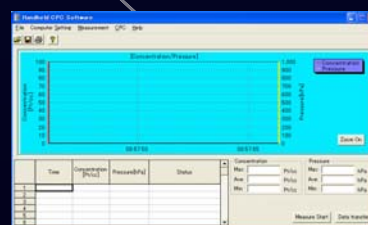


Engine Exhaust Testing



## Features & Benefits

- Particle size range: 0.010 to 1  $\mu\text{m}$
- Measuring range: 0 to 100,000 particles/ $\text{cm}^3$
- Sampling airflow: 0.7L/min
- Data logging up to 100,000 measurements
- USB interface for data transfer
- Handy and Light weight
- Weight: 3.3lbs (1.5kg)
- Power supply: 6 x AA batteries or AC adapter



Windows 7 compatible Software included

# Handheld Condensation Particle Counter Model 3800 Specifications

<b>Measuring Particle Size</b>		0.010 to 1µm
<b>Concentration Range</b>		0 to 100,000 particles/cm <sup>3</sup> (±10%)
<b>Counting Efficiency</b>		50nm: 100±20% (15nm: More than 50%)
<b>Zero Count Level</b>		Less than 1 particle/cm <sup>3</sup>
<b>Flow Rate</b>		Aerosol Flow: 100cm <sup>3</sup> /min Total Flow: 700cm <sup>3</sup> /min
<b>Alcohol Supply</b>	<b>Type</b>	Isopropyl Alcohol
	<b>Hours per Fill</b>	5 hours at 73°F (23°C)
<b>Absolute Pressure Sensor</b>		150 to 1,150 hPa
<b>Mode of Measurements</b>		Repeat / Program / Counter
<b>Display</b>		Built-in LCD
<b>Interface</b>		USB, Printer Output Port
<b>Data Storage</b>		10,000 samples
<b>Power Supply</b>	<b>Type</b>	AA Alkaline or Ni-MH Battery / AC Adapter (AC 100 - 240V)
	<b>Operating Time</b>	5 hours (by Alkaline Battery) / 8 hours (by Ni-MH Battery)
<b>Operating Temperature</b>		Ambient Temperature range: 50 to 95°F (10 to 35°C)
<b>Dimensions</b>		4.7 (W) x 11.0 (H) x 5.1 (D) inches (120 (W) x 280 (H) x 130 (D) mm)
<b>Weight</b>		3.75lbs. (1.7kg) (without batteries)
<b>Warranty</b>		1 year
<b>Standard Accessories</b>		Operation Manual, Carrying Case, AC Adapter, Zero Filter, Bottle for Alcohol, PC Community Cable, Data processing software, and Calibration certificate
<b>Optional Accessories</b>		Thermal Printer, Printer Cable

Specifications are subject to change without notice.



**KANOMAX**  
The Ultimate Measurements

Kanomax USA, Inc.  
219 US Hwy 206, Andover, NJ 07821 U.S.A.  
TEL: 1-800-247-8887 (USA) / 1-973-786-6386  
FAX: 1-973-786-7586  
E-mail: [info@kanomax-usa.com](mailto:info@kanomax-usa.com)  
URL: [www.kanomax-usa.com](http://www.kanomax-usa.com)



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