



# KANOMAX

*The Ultimate Measurements*

ISO9001 ISO14001



JQA2790

JQA-EM1628

# Handheld Condensation Particle Counter

## Model 3800

### Applications

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

### Features

- Particle size range: 0.015 to 1  $\mu$  m
- Measuring range: 0 to 100,000 particles/cm<sup>3</sup>
- Sampling airflow: 0.7L/min
- Data logging up to 100,000 measurements
- Measuring Software included (for Windows)
- USB interface for data transfer
- Power supply: 6 x AA batteries or AC adapter
- Weight: 3.3lbs (1.5kg)

### Benefits

- 0.015 micron (15nm) minimum sensitivity
- Handy and Light weight
- Data storage and logging capability
- Simple to download the data to your PC via USB



## Optimal Screening Tool for Nano Particles

### ■ Applications



Checking worker exposure to airborne contaminants



Leakage Testing



Engine Exhaust Testing

# Handheld Condensation Particle Counter Model 3800

## Specifications

Measuring Particle Size	0.015 to 1 $\mu$ m	
Concentration Range	0 to 100,000 particles/cm <sup>3</sup>	
Counting Efficiency	50nm: 100 $\pm$ 20% (15nm: More than 50%)	
Zero Count Level	Less than 1 particle/cm <sup>3</sup>	
Flow Rate	Aerosol Flow: 100cc/min Total Flow: 700cc/min	
Alcohol Supply	Type	100% Reagent Grade Isopropyl Alcohol
	Hours per Fill	5 hours at 73°F (23°C)
Absolute Pressure Sensor	150 to 1,150 hPa	
Mode of Measurements	Repeat / Program / Counter	
Display	Built-in LCD (128 x 64 dots)	
Interface	USB, Printer Output Port	
Data Storage	10,000 samples	
Power Supply	Type	AA Alkaline or Ni-MH Battery / AC Adapter (AC 100 - 240V)
	Operating Time	5 hours (by Alkaline Battery) / 8 hours (by Ni-MH Battery)
Operating Environment	Ambient Temperature range: 50 to 95°F (10 to 35°C)	
Dimensions	W 4.7 x D 5.1 x H 11.0 inches (120 x 130 x 280 mm)	
Weight	3.3 lbs (1.5 kg)	
Warranty	1 year (Instrument)	
Standard Accessories	Operation Manual, Carrying Case, AC Adapter, Zero Filter PC Communication Cable, Data Download Software (Windows)	
Optional Accessories	Ni-MH Battery, Battery Charger, Thermal Printer, Printer Cable	

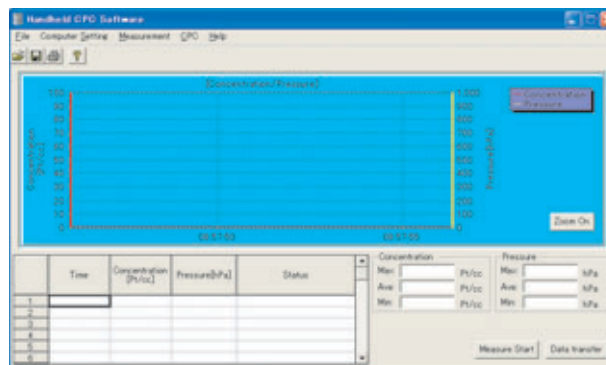
\* Specifications subject to change without prior notice

## ■ Hand-held CPC Software

Simultaneously receive data and display/graph in real time. Measurement data saved as text file for export to standard calculation software such as Microsoft Excel.

### ■ Hardware Requirement

OS	Windows 2000/XP
CPU	Pentium-equivalent CPU or faster
RAM	64 MB or higher
HDD	40 MB free hard-disk space
Others	USB port, CD-ROM drive



Distributed by:



**KANOMAX**

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