



KANOMAX FMT

A Kanomax Company

Handheld Condensation Particle Counter Model 3800

Handheld particle detection down to 15 nm!

In Approaches to Safe Nanotechnology, NIOSH recommends direct-reading instruments and filter sampling with lab analysis to obtain particle number, size, and shape, degree of agglomeration, and mass concentration of elemental constituents in nanoparticles. Direct reading instruments include both optical particle counters and condensation particle counters such as the Kanomax 3800.

Applications

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



Checking worker exposure to airborne contaminants



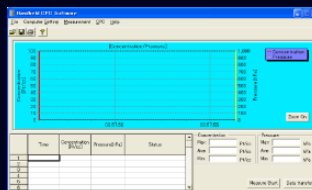
Leakage testing



Engine exhaust testing

Features & Benefits

- Particle size range : 15 to 1,000 nm
- Measuring range : 0 to 100,000 particles/cm³
- Sampling airflow : 0.7 L/min
- Data logging up to 10,000 measurements
- USB interface for data transfer
- Handy and Light weight
- Weight : 1.5 kg
- Power supply : 6 × AA batteries or AC adapter



Windows 7 compatible Software included

Handheld Condensation Particle Counter Model 3800 Specifications

Measuring Particle Size	15 ~ 1,000 nm	
Concentration Range	0 ~ 100,000 particles/cm ³ (coincidence error < 5 %)	
Counting Efficiency	50 nm : 100 ± 20 % (15 nm : More than 50 %)	
Zero Count Level	Less than 1 particle/cm ³	
Flow Rate	Aerosol Flow : 0.1 L/min Total Flow : 0.7 L/min	
Alcohol Supply	Type	100 % Reagent Grade Isopropyl Alcohol
	Hours Per Fill	5 hours at 71 °F (21 °C)
Absolute Pressure Sensor	150 ~ 1,150 hPa	
Mode of Measurements	Repeat / Program / Counter	
Display	Built-in LCD	
Interface	USB, Printer Output Port	
Data Storage	10,000 samples	
Power Supply	Type	AA Alkaline or Ni-MH Battery / AC Adapter (AC 100 ~ 240 V)
	Operating Time	5 hours (by Alkaline Battery) / 8 hours (by Ni-MH Battery)
Operating Environment	Ambient Temperature Range : 50 ~ 95 °F (10 ~ 35 °C)	
Dimensions (W,H,D)	12 cm × 28 cm × 13 cm (w/o battery)	
Weight	1.5 kg	
Warranty	1 year	
Standard Accessories	Operation Manual, Carrying Case, AC Adapter, Zero Filter PC Community Cable, Data Processing Software, and Calibration Certificate	
Optional Accessories	Thermal Printer, Printer Cable, Sampling Probe	

Specifications subject to change without notice.



KANOMAX FMT

A Kanomax Company

KANOMAX FMT, INC.

4101 Hoffman Rd.
White Bear Lake, MN 55110 USA
TEL: +1.651.762.7762
ContactUs@KanomaxFMT.com
www.KanomaxFMT.com

Distributed by:

