

Handheld Condensation Particle Counter

Model 3800



New Sampling Probe
Now Available!

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 μ m
- Measuring range: 0 to 100,000 particles/cm³
- 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

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Specifications

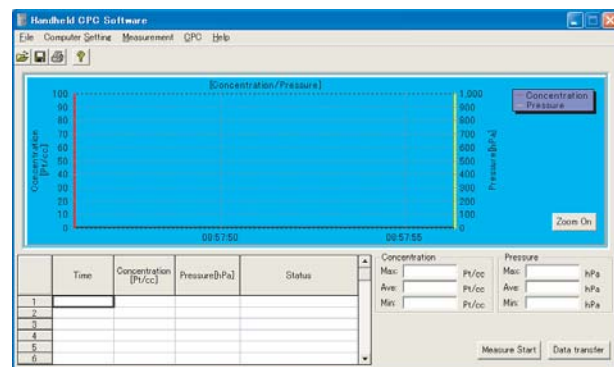
Measuring Particle Size		0.015 to 1 μ m
Concentration Range		0 to 100,000 particles/cm ³
Counting Efficiency		50nm: 100 \pm 20% (15nm: More than 50%)
Zero Count Level		Less than 1 particle/cm ³
Flow Rate		Aerosol Flow: 100cc/min Total Flow: 700cc/min
Alcohol Supply	Type	100% Reagent Grade Isopropyl Alcohol
	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 Community Cable, Data Download Software (Windows)
Optional Accessories		Ni-MH Battery, Battery Charger, Thermal Printer, Printer Cable, Sampling Probe

■ 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 (Windows 7 compatible)
CPU	Pentium-equivalent CPU or faster
RAM	64 MB or higher
HDD	40 MB free hard-disk space
Others	USB port, CD-ROM drive



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