Offering the best in handheld particle counting

Model HHPC-6 Handheld Airborne Particle Counter

FEATURES

- Battery or AC operation
- 0.3 micron at 0.1 cfm
- Counts 6 sizes simultaneously
- Stores 500 records (with Option EX – 2,000 records)
- Eight programmable location labels
- Internal rechargeable battery
- Lightweight
- Built-in RH and Temp
- Easy download to computer
- Windows compatible download software
- Network capable

APPLICATIONS

- Monitor cleanrooms
- Indoor air quality investigations
- Monitor growning rooms
- Test filter seals
- Test filter efficiency
- Track down particle contamination sources
- Monitor particle size distributions

The Met One HHPC-6 Handheld Airborne Particle Counter simultaneously displays six channels of particle size distribution. The Model HHPC-6 holds 500 samples (2,000 with Option EX) in data memory and records date, time, counts, sample volume, temperature and relative humidity. Data is easily downloaded to a computer or printer using the included RS-232/RS-485 interface cable and utility software. With value-packed features and excellent reliability, it is easy to see why the Model HHPC-6 is a winner among professionals who monitor and verify cleanrooms, test filters, and track down particle source problems. The intelligent design and overall utility of the Model HHPC-6 is invaluable for IAQ investigations, making workplace environments safer and healthier.

- Self-contained, ergonomic, easy to operate
- Fast, easy connection to computer or printer
- Selectable sample time, count data, programmable delay
- Set sample times to cubic feet or liters
- Data displayed in totalize or concentration modes
- Built-in, programmable alarms
- Built-in purge filter protects the cleanroom from pump exhaust
- Automatic turn-off when battery voltage drops below safe operating level
- Meets the most stringent performance standards set by the industry

Model HHPC-6 Handheld Particle Counters

SPECIFICATIONS

6 Size Channels:	Standard:	0.3, 0.5, 0.7, 1.0, 2.0, 5.0 µm
	IAQ:	0.5, 0.7, 1.0, 2.0, 5.0, 10.0 µm
	Custom:	0.3 to 20 µm available
Flow Rate:	0.1 cfm (2.83 L/min)	
Light Source:	Laser diode; index guided (26,000 MTBF at 25°C)	
Calibration:	PSL particles in air (NIST traceable)	
Counting Efficiency:	50% @ 0.3 µm; 100% for particles > 0.45 µm (per JIS B9921:1997)	
Zero Count:	1 count/5 minute (per JIS B9921:1997)	
Coincidence Loss:	5% at 2,000,000 particles per ft3	
Relative Humidity:	± 7%, 20% to 90%, non-condensing	
Temperature:	± 3°C, 10°C to 40°C (50°F to 104°F)	
Data Storage:	500 sample records (rotating buffer)	
Data Recorded:	Date, time, counts, relative humidity, temperature, sample volumes, alarms, label	
Display:	Graphic liquid crystal with back light	
Alarms:	Counts, low battery, sensor fail	
Count Modes:	Concentration, totalize, audio	
Delay Time:	0 to 24 hours	
Sample Inlet:	Isokinetic probe	
Interface:	RS-232 and RS-485 via RJ-45	
Vacuum Source:	Internal pump flow controlled	
Housing:	Injection molded plastic	
Dimensions:	4.5" w x 8.25" l x 2.25" d (11.43 x 20.96 x 5.72 cm)	
Weight:	2.2 pounds (1.0 kg)	
Environmental:	Operating:	10°C to 40°C (50°F to 104°F), 20% to 90% relative humidity, non-condensing
	Storage:	-10°C to 50°C (14°F to 122°F), Up to 90% relative humidity, non-condensing
Power:	AC Adapter, 12 VDC at 2.5 A, 90 to 250 VAC, 50 to 60 Hz	
Rechargeable Battery:	NiMH, 4.8 V at 4.5 Ah; replaceable	
Continuous Operating Time:	8 hours	
Recharge Time:	2 hours	
Standards:	CE, JIS B9921: 1997	
Accessories Included:	Certificate of Calibration (NIST); Windows compatible software download utility; DB9 to RS-232 adapter and cable; Isokinetic Probe; High Purity Tubing; 1/8 in. Hose Barb Adapter; Power Supply; Operation Manual	

OPTIONAL ACCESSORIES

Zero Count Filter
Carrying Case (soft-sided or hard molded plastic) data
Portable serial printer w/cable, 2 rolls paper
Option "EX" – 2,000 records
Optional particle size range – up to 20 µm

Total Solutions for Ultrapure Applications