

MET ONE HHPC-6 HANDHELD PARTICLE COUNTER



Full-featured, reliable 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)
- 75 programmable location labels
- Internal rechargeable battery
- Lightweight
- Built-in RH/Temp
- Easy download to computer
- Use with PortAll™ Version 2
software
- Network capable

Applications

- Monitor cleanrooms
- Indoor air quality investigations
- Monitor gowning 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 Met One 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.

Key features include:

- 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

With excellent features and reliability, it is easy to see why the Met One 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 HHPC-6 is invaluable for Indoor Air Quality (IAQ) investigations, making workplace environments safer and healthier. Additionally, by using PortAll Version 2 software, particle count data can be organized, archived and graphically trended. This easy-to-use software can also be used to schedule the collection of samples by the air particle counter.

Performance 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 10 µm, 0.5 to 15 µm or 1.0 to 20 µm
Flow Rate		0.1 CFM (2.83 LPM)
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 minutes (per JIS B9921:1997)
Coincidence Loss		5% at 2,000,000 particles/ft ³
Volume Options	1.0 L ³	21 seconds 0.01 ft ³ 6 seconds
	10.0 L ³	3.53 minutes 1.0 ft ³ 10 minutes
	2.83 L ³	60 seconds 0.10 ft ³ 60 seconds
	28.3 L ³	10 minutes
Sample Time Options	Manual	Continuously sample and display counts
	L ³	1 second (0.05 L ³) to 59:59 Minutes:Seconds (MM:SS) (169.85 L ³)
	ft ³	1 second (0.0017 ft ³) to 59:59 Minutes:Seconds (MM:SS) (6 ft ³)
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		11.43 w x 20.96 h x 5.72 d cm (4.5 x 8.25 x 2.25 inches)
Weight		1.0 kg (2.2 lbs)
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
Battery Operating Time		8 hours continuous
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; Operator Manual
Optional Accessories / Spares		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 PortAll Version 2 Software



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