

# MET ONE HHPC-2 HANDHELD PARTICLE COUNTER



*Best value in a handheld  
particle counter*

## Features

- Battery or AC operation
- 0.3 micron sensitivity
- Counts 2 sizes simultaneously
- Stores 100 samples
- Internal rechargeable battery
- Lightweight
- Use with PortAll™ Version 2 software

## Applications

- IAQ investigations
- Monitor cleanrooms
- Monitor gowning rooms
- Track down particle contamination sources
- Monitor particle size distributions
- Test filter seals
- Test filter efficiency

The Met One HHPC-2 portable, 2-channel Handheld Airborne Particle Counter, with download software and personal computer interface, affords the cost-conscious customer with an economical alternative while still getting an accurate and reliable instrument to count particles in air. The palm-size Met One HHPC-2 is ideal for monitoring non-critical pharmaceutical and electronic manufacturing environments, as well as testing indoor air quality and industrial monitoring.

### Key features include:

- Accurate, reliable, traceable Instruments
- Self-contained, ergonomic, easy-to-operate
- Fast, easy connection to computer or printer
- Set sample times to cubic feet or liters
- Data displayed in totalize or concentration modes
- Eight hours of continuous battery operation
- Built-in filter to protect the cleanroom from pump exhaust
- Meets the most stringent performance standards set by the industry

Additionally, by using PortAll Version 2 software, particle count data can be organized, archived and graphically trended.

# Performance Specifications

<b>2 Size Channels</b>	Standard	0.3 and 0.5 $\mu\text{m}$ or 0.5 and 5.0 $\mu\text{m}$
	IAQ	0.3 and 1.0 $\mu\text{m}$
	Custom	0.3 to 10 $\mu\text{m}$ or 0.5 to 15 $\mu\text{m}$ or 1.0 to 20 $\mu\text{m}$
<b>Flow Rate</b>		0.1 CFM (2.83 LPM)
<b>Light Source</b>		Laser diode; index guided (26,000 MTBF at 25°C)
<b>Calibration</b>		PSL particles in air (NIST)
<b>Counting Efficiency</b>		50% @ 0.3 $\mu\text{m}$ ; 100% for particles > 0.45 $\mu\text{m}$ (per JIS B9921:1997)
<b>Zero Count</b>		1 count/5 minutes (per JIS B9921:1997)
<b>Coincidence Loss</b>		5% at 2,000,000 particles/ft <sup>3</sup>
<b>Measuring Mode</b>		Concentration: particles/liter; particles/ft <sup>3</sup>
<b>Sample Volume Options</b>	0.01 ft <sup>3</sup>	00:06 Minutes:Seconds (MM:SS)
	28.3 L <sup>3</sup>	10:00 Minutes:Seconds (MM:SS)
	10.0 L <sup>3</sup>	03:53 Minutes:Seconds (MM:SS)
	2.83 L <sup>3</sup>	01:00 Minutes:Seconds (MM:SS)
<b>User Interface</b>		3-button keypad
<b>Data Storage</b>		100 sample records
<b>Data Recorded</b>		Counts, calibration error
<b>Display</b>		LCD, 4 x 16 character display
<b>Alarms</b>		Low battery, calibration error
<b>Sample Inlet</b>		Isokinetic probe
<b>Interface</b>		RS-232 via RJ-45
<b>Vacuum Source</b>		Internal pump, flow controlled
<b>Housing</b>		Injection molded plastic
<b>Dimensions</b>		11.43 w x 20.96 h x 5.72 d cm (4.5 x 8.25 x 2.25 inches)
<b>Weight</b>		1.0 kg (2.2 lbs)
<b>Environmental</b>		Operating: 10°C to 40°C (50°F to 104°F), 20% to 90% relative humidity, non-condensing
<b>Storage</b>		-10°C to 50°C (14°F to 122°F), Up to 90% relative humidity, non-condensing
<b>Power</b>		AC Adapter, 12 VDC at 2.5 A, 90 to 250 VAC, 50 to 60 Hz
<b>Rechargeable Battery</b>		NiMH, 4.8V at 4.5 Ah
<b>Battery Operating Time</b>		8 hours continuous
<b>Recharge Time</b>		2 hours
<b>Standards</b>		CE; JIS B9921: 1997
<b>Accessories Included</b>		Certificate of Calibration (NIST); Utility Software Pkg. (includes cabling and RJ-45 to DB9 converter); High Purity Tubing; 1/8 in. Hose Barb Adapter; Power Supply; AC/DC 12 VDC; AC Power Cord; Operator Manual
<b>Optional Accessories</b>		Zero Count Filter Extension Cable RS-232 Serial Interface Carrying Case (soft-sided or hard molded plastic) Portable Serial Printer, w/cable, 2 rolls paper PortAll Version 2 Software



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.