

## Best value handheld particle counter

### Model HHPC-2 Handheld Airborne Particle Counter

#### FEATURES

- Battery or AC operation
- 0.3 micron sensitivity
- Counts 2 sizes simultaneously
- Stores 100 samples
- Internal rechargeable battery
- Lightweight
- Windows compatible download 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 Hand Held 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 Model HHPC-2 is ideal for monitoring pharmaceutical and electronic manufacturing environments, as well as testing indoor air quality and industrial monitoring.

- 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

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## Model HNPC-2 Handheld Particle Counters

### SPECIFICATIONS

|                            |   |
|----------------------------|---|
| 2 Size Channels:           | Standard: 0.3 and 0.5 $\mu\text{m}$ or 0.5 and 5.0 $\mu\text{m}$<br>IAQ: 0.3 $\mu\text{m}$ and 1.0 $\mu\text{m}$<br>Custom: 0.3 to 20 $\mu\text{m}$ 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)   |
| Counting Efficiency:       | 50% @ 0.3 $\mu\text{m}$ ;<br>100% for particles > 0.45 $\mu\text{m}$ (per JIS B9921:1997)   |
| Zero Count:                | 1 count per 5 minutes (per JIS B9921:1997)  |
| Coincidence Loss:          | 5% at 2,000,000 particles per ft <sup>3</sup>   |
| Measuring Mode:            | Concentration: particles/liter; particles/cubic feet  |
| User Interface:            | 3-button keypad   |
| Data Storage:              | 100 sample records  |
| Data Recorded:             | Counts, calibration error   |
| Display:                   | LCD, 4 x 16 character display   |
| Alarms:                    | Low battery, calibration error  |
| Sample Inlet:              | Isokinetic probe  |
| Interface:                 | RS-232 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),<br>20% to 90% relative humidity, non-condensing<br>Storage: -10°C to 50°C (14°F to 122°F),<br>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, 4.8V at 4.5 Ah  |
| Continuous Operating Time: | 8 hours   |
| Recharge Time:             | 2 hours   |
| Standards:                 | CE; JIS B9921: 1997   |
| Standard Accessories:      | Certificate of Calibration (NIST); Utility Software Pkg.<br>(includes cabling and RJ-45 to DB9 converter);<br>High Purity Tubing; 1/8 in. Hose Barb Adapter; Power Supply,<br>AC/DC 12 VDC; AC Power Cord; Operation Manual |

### OPTIONAL ACCESSORIES

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

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