

# MET ONE HHPC-2 and HHPC-6 Handheld Particle Counter

*The world's most popular handheld particle counter*

When it comes to tracking down particle problems, the reliability and rich feature set of the MET ONE HHPC series makes these handhelds clear winners amongst cleanroom and indoor air quality (IAQ) monitoring professionals.

Available with either two or six particle size channels, built-in relative humidity and temperature sensors and an expandable memory option providing up to 2000 data records, the HHPC handheld series has your most comprehensive monitoring applications covered.

When combined with PortAll Version 2 software, the full power of the HHPC series is unleashed. Particle count data can be organized, archived and graphically presented to provide critical insight into contamination profiles and trends. This easy-to-use software can also be used to schedule the collection of samples, allowing monitoring to run unattended.

Above all, with global calibration and service centers located in over 80 countries you can be assured that your investment in the HHPC series will be fully supported.



Features	HHPC-6 (0.3 µm)	HHPC-6 (0.5 µm)	HHPC-2 (0.3 µm)	HHPC-2 (0.5 µm)
Number of Size Channels	6	6	2	2
Number of Records (memory)	500	500	100	100
Extended Memory Option	•	•		
Temperature and RH Probe	•	•		
Isokinetic Probe	•	•	•	•
RJ45 to DB9 Converter	•	•	•	•
High Purity Tubing	•	•	•	•
Universal Power Supply	•	•	•	•
Network Cable	•	•	•	•
Channels	0.3 µm	0.5 µm	0.3 µm	0.5 µm
	0.5 µm	0.7 µm	0.5 µm	5.0 µm
	0.7 µm	1.0 µm		
	1.0 µm	2.0 µm		
	2.0 µm	5.0 µm		
	5.0 µm	10.0 µm		

### Key Specifications

Sensitivity	0.3 µm	0.5 µm	0.3 µm	0.5 µm
Flow	0.1 CFM (2.83 LPM)	0.1 CFM (2.83 LPM)	0.1 CFM (2.83 LPM)	0.1 CFM (2.83 LPM)



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## Specifications

2 Size Channels	HHPC-2	Standard	0.3 and 0.5 µm or 0.5 and 5.0 µm
		IAQ	0.3 and 1.0 µm
		Custom	0.3 to 10 µm or 0.5 to 15 µm or 1.0 to 20 µm
6 Size Channels	HHPC-6	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
Sample Volume Options	HHPC-2	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)
	HHPC-6	1.0 L <sup>3</sup>	21 seconds 0.01 ft <sup>3</sup> 6 seconds
		10.0 L <sup>3</sup>	3.53 minutes 1.0 ft <sup>3</sup> 10 minutes
		2.83 L <sup>3</sup>	60 seconds 0.10 ft <sup>3</sup> 60 seconds
		28.3 L <sup>3</sup>	10 minutes
Sample Time Options	Manual	Continuously sample and display counts	
(HHPC-6)	L <sup>3</sup>	1 second (0.05 L <sup>3</sup> ) to 59:59 Minutes:Seconds (MM:SS) (169.85 L <sup>3</sup> )	
	ft <sup>3</sup>	1 second (0.0017 ft <sup>3</sup> ) to 59:59 Minutes:Seconds (MM:SS) (6 ft <sup>3</sup> )	
Data Storage	HHPC-2	100 sample records	
	HHPC-6	500 sample records (rotating buffer)	
Data Recorded	HHPC-2	Counts, calibration error	
	HHPC-6	Date, time, counts, relative humidity, temperature, sample volumes, alarms, label	
Display	HHPC-2	LCD, 4 x 16 character display	
	HHPC-6	Graphic liquid crystal with back light	
User Interface (HHPC-2)	3-button keypad		
Alarms	HHPC-2	Low battery, calibration error	
	HHPC-6	Counts, low battery, sensor fail	
Count Modes (HHPC-6)	Concentration, totalize, audio		
Delay Time (HHPC-6)	0 to 24 hours		
Interface	HHPC-2	RS-232 via RJ-45	
	HHPC-6	RS-232 and RS-485 via RJ-45	
Optional Accessories	HHPC-2	RS-232 Serial Interface	
	HHPC-6	Option EX – 2,000 records; Optional particle size range – up 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 <sup>3</sup>		
Measuring Mode	Concentration: particles/liter; particles/ft <sup>3</sup>		
Sample Inlet	Isokinetic probe		
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, 4.8V 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); Utility Software Package; DB9 to RS-232 adapter and cable; High Purity Tubing; 1/8 in. Hose Barb Adapter; Power Supply; AC/DC 12 VDC; AC Power Cord; Operator Manual		
Optional Accessories	Zero Count Filter Extension Cable Carrying Case (soft-sided or hard molded plastic) Portable Serial Printer, w/cable, 2 rolls paper PortAll Version 2 Software		



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**Keep it pure.**

**Make it simple.**

**Be right.**

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