

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)



Be Right™

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 ³	00:06 Minutes:Seconds (MM:SS)			
		28.3 L ³	10:00 Minutes:Seconds (MM:SS)			
		10.0 L ³	03:53 Minutes:Seconds (MM:SS)			
		2.83 L ³	01:00 Minutes:Seconds (MM:SS)			
	HHPC-6	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 (HHPC-6)	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	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				
	HHPC-2	RS-232 Serial Interface				
Optional Accessories	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	Class 3B Laser810-852nm, 50mW; 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					
Measuring Mode	Concentration: particles/liter; particles/ft ³					
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					
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					



CLASS 1 LASER PRODUCT

Contact manufacturer for complete compliance details

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In the interest of improving and updating its equipment, Hach Company reserves the right to alter specifications to equipment at any time.



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.