

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

<i>2 Size Channels</i>	HHPC-2	Standard IAQ	0.3 and 0.5 µm or 0.5 and 5.0 µm 0.3 and 1.0 µm
<i>6 Size Channels</i>	HHPC-6	Standard IAQ	0.3 to 10 µm or 0.5 to 15 µm or 1.0 to 20 µm 0.3, 0.5, 0.7, 1.0, 2.0, 5.0 µm
<i>Sample Volume Options</i>	HHPC-2	Custom	0.3 to 10 µm, 0.5 to 15 µm or 1.0 to 20 µm
		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
<i>Sample Time Options (HHPC-6)</i>	Manual	Continuously sample and display counts	
	L ³ ft ³	1 second (0.05 L ³) to 59:59 Minutes:Seconds (MM:SS) (169.85 L ³) 1 second (0.0017 ft ³) to 59:59 Minutes:Seconds (MM:SS) (6 ft ³)	
<i>Data Storage</i>	HHPC-2	100 sample records	
	HHPC-6	500 sample records (rotating buffer)	
<i>Data Recorded</i>	HHPC-2	Counts, calibration error	
	HHPC-6	Date, time, counts, relative humidity, temperature, sample volumes, alarms, label	
<i>Display</i>	HHPC-2	LCD, 4 x 16 character display	
	HHPC-6	Graphic liquid crystal with back light	
<i>User Interface (HHPC-2)</i>		3-button keypad	
<i>Alarms</i>	HHPC-2	Low battery, calibration error	
	HHPC-6	Counts, low battery, sensor fail	
<i>Count Modes (HHPC-6)</i>		Concentration, totalize, audio	
<i>Delay Time (HHPC-6)</i>		0 to 24 hours	
<i>Interface</i>	HHPC-2	RS-232 via RJ-45	
	HHPC-6	RS-232 and RS-485 via RJ-45	
<i>Optional Accessories</i>	HHPC-2	RS-232 Serial Interface	
	HHPC-6	Option EX – 2,000 records; Optional particle size range – up to 20 µm	
<i>Flow Rate</i>		0.1 CFM (2.83 LPM)	
<i>Light Source</i>		Class 3B Laser810-852nm, 50mW; index guided (26,000 MTBF at 25°C)	
<i>Calibration</i>		PSL particles in air (NIST traceable)	
<i>Counting Efficiency</i>		50% @ 0.3 µm; 100% for particles > 0.45 µm (per JIS B9921:1997)	
<i>Zero Count</i>		1 count/5 minutes (per JIS B9921:1997)	
<i>Coincidence Loss</i>		5% at 2,000,000 particles/ft ³	
<i>Measuring Mode</i>		Concentration: particles/liter; particles/ft ³	
<i>Sample Inlet</i>		Isokinetic probe	
<i>Vacuum Source</i>		Internal pump, flow controlled	
<i>Housing</i>		Injection molded plastic	
<i>Dimensions</i>		11.43 w x 20.96 h x 5.72 d cm (4.5 x 8.25 x 2.25 inches)	
<i>Weight</i>		1.0 kg (2.2 lbs)	
<i>Environmental</i>		Operating: 10°C to 40°C (50°F to 104°F), 20% to 90% relative humidity, non-condensing	
		-10°C to 50°C (14°F to 122°F), Up to 90% relative humidity, non-condensing	
<i>Power</i>		AC Adapter, 12 VDC at 2.5 A, 90 to 250 VAC, 50 to 60 Hz	
<i>Rechargeable Battery</i>		NiMH, 4.8V at 4.5 Ah, replaceable	
<i>Battery Operating Time</i>		8 hours continuous	
<i>Recharge Time</i>		2 hours	
<i>Accessories Included</i>		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	
		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	
<i>Optional Accessories</i>			



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.