

ДИАМ
современная лаборатория

MET ONE HHPC+ Series Handheld Particle Counters



Simple

Fast

MET ONE

 **BECKMAN
COULTER**

Life Sciences

MET ONE HHPC+ series handheld particle counter.

Counting 00:00:14 Infinite	
Location 1	Counts/ft ³
Size	Cumulative
0.3 μm	155.8
0.5 μm	77.9
1.0 μm	13.0
2.0 μm	13.0
5.0 μm	0.0
10.0 μm	0.0
2.170 L	

Stopped Infinite	
Location 1	Counts/L
Size	Cumulative
0.5 μm	0.0
5.0 μm	0.0



Routine monitoring

The easy-to-read high resolution display is fully configurable, presenting only the data you want in a clear large font.

Light weight and comfortable for those hard to reach HEPA filter leaks

At only 1.5 lbs the MET ONE HHPC+ slim design allows single handed operation. Perfect for effortless troubleshooting of filter leaks in mini-environments and workstations.

Cleanroom classification

Quickly check or validate ISO Class 5 (FED STD Class 100) or higher cleanrooms and controlled environments.

Visual particle trending

Save analysis time with on-the-spot process profiling to pinpoint particle events.



Specifications

Particle Size Range	Size channels per ISO 14644-1 (FS 209E) industry standard. HHPC 6+ and HHPC 3+ (0.3µm version) - 0.3µm - 10µm HHPC 2+ and HHPC 3+ (0.5µm version) - 0.5µm - 5µm
Number of Channels	HHPC 6+ Channel 1 fixed 0.3µm. Up to 5 additional size channels: 0.5µm, 1.0µm, 2.0µm, 5.0µm, 10.0µm. HHPC 3+ (0.3µm) Channel 1 fixed 0.3µm. Up to 2 additional size channels: 0.5µm, 1.0µm, 2.0µm, 5.0µm, 10.0µm. HHPC 3+ (0.5µm) Channel 1 fixed 0.5µm. Up to 2 additional size channels: 1.0µm, 2.0µm, 5.0µm. HHPC 2+ Channel 1 fixed 0.5µm. 1 additional size channel: 1.0µm, 2.0µm, 5.0µm.
Weight	Ultra-lightweight at 1.5 lbs for comfortable handheld use.
Flow Rate	2.83 lpm. Take ISO 14644-1 class 5 compliant 0.3µm samples in a minute
Communications	Access particle counting data direct to PC via Ethernet and USB cable, or use USB memory stick. No device drivers or software required.
Display	Large 3.5" high resolution 320 x 240 color for super clear viewing with intuitive icons for easy navigation.
Display Configuration	User selectable size channels with super-large font options.
Display Data Modes	Traditional tabular particle counts or trend graph for easy particle profiling.
Enclosure	High impact polycarbonate ABS for exceptional durability.
Dimensions	10.7" x 3.9" x 2.1" Contoured for convenient single handed operation.
Battery Duration	Over 10 hours with typical use model. Minimum 5.5 hours continuous sampling.
Battery Charging	3.5 hours
Data Storage	10,000 records for the most demanding applications. (5,000 records when secure CFR 21 Part 11 compliant files enabled)
Counting Efficiency	HHPC 3+ (0.3um version) and HHPC 6+ 50% @ 0.3µm and 100% for particles > 0.45µm (per ISO 21501) HHPC 2+ and HHPC 3+ (0.5um version); 50% @ 0.5µm and 100% for particles > 0.75µm (per ISO 21501)
Zero Count Level	1 count / 5 minute (per JIS B9921)
Concentration Limits	4,000,000 / ft ³ @ 10% coincidence loss HHPC 6+, HHPC 3+ (0.3µm), 2,000,000 / ft ³ @ 10% coincidence loss HHPC 2+, HHPC 3+ (0.5µm)
Count Modes	Raw counts, N/ft ³ , N/m ³ , N/L in Cumulative or Differential mode
Security	Administrator password controlled (optional) CFR 21 Part 11 compliant Excel compatible files.
Alarms	User selected particle channels and limits
Operating Environment	50°F to 104°F (10°C to 40°C) / < 95% non-condensing
Storage Environment	14°F to 122°F (-10°C to 50°C) / Up to 98% non-condensing
Accessories Included	Power supply, Universal 110-240V Zero count inlet-filter and zero count filter adaptor 6' USB cable Cradle for ease of charging and convenient USB and Ethernet communications (HHPC 6+ only) Carry case (HHPC6+ and HHPC3+ models only)

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