

AirCapt®

MP8 Multipoint Biological Monitoring System



The AirCapt® MP8 Multipoint Biological Monitoring System enables remote-controlled simultaneous microbial air sampling of up to eight (8) independent locations. Control of the system is achieved through BioManager or by any configured SCADA system. The slits in the BioCapt® Impactor Head are precision cut to ensure laminar flow, thus maximizing collection efficiencies for viable particles of interest in accordance with ISO 14698-1. Biological efficiency is guaranteed by ensuring optimal impaction velocity also giving statistical control over false positive results. Each BioCapt Impactor Head is fully autoclavable and all sample air is exhausted outside of the cleanroom to prevent contamination of the cleanroom environment. The system can also be expanded from eight (8) to sixteen (16) sample locations by adding the optional MP8 to MP16 module.

BENEFITS

- Validated to ISO 14698-1: Biocontamination Control of Cleanrooms and Associated Controlled Environments
- High physical and biological collection efficiency calculated per ISO 14698/Annex B
- Compliant with cGMP, GAMP®, and 21 CFR Part 11 regulatory requirements
- 25 L/min flow rate ensures sample volume is collected quickly enough to avoid physical or chemical degradation of the collection medium
- Optimal slit design in BioCapt Impactor Head ensures laminar flow and that microorganisms are undamaged during sampling
- Autoclavable BioCapt Impactor Head
- Immediate detection of false positives
- No operator intervention required during the sampling process
- All sample air lines are vented outside to prevent contamination of the cleanroom or clean zone
- All sampling recipes, warnings, alarms, data trends and reports, and audit trails managed by BioManager software or in-house SCADA platform.

APPLICATIONS

- Automated cleanroom and clean air device biocontamination monitoring
- Generate baseline biocontamination data for newly constructed and commissioned installations
- Microbial monitoring of aseptic filling areas

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specifications

BioCapt

Material	AISI 316L Stainless Steel
Number of slits	20 – Precision cut by Electrical Discharge Machine (EDM)
Slit depth	3 mm
Slit thickness	0.09 ± 0.01 mm
Consumable	90 mm plates

AirCapt MP8

Sampling flow rate	25 Liters/min for each sample line, up to 8
Flow rate control	±10% – Each sample line independently controlled by mass flow controller
Memory	70 Samples
Sampling modes	Volume or Time
Sampling delay	Data and Time setting
Communication	Two (2) RS232C to BioManager software or configured SCADA
Display and printer	2 x 40 characters; CENTRONICS standard
Power supply	220 VAC 50Hz / 110 VAC 60Hz
Dimensions (h, w, d)	74.8 x 23.6 x 23.6 inches (190 x 60 x 60 cm)
Weight	330 lbs (150 Kg)
Operating environment	Temperature: 32 - 122° F (0-50°C); Humidity: 10-90% RH
Calibration	Every 12 months

Options:

MP8 to MP16 Module	Expands AirCapt MP8 system from 8 to 16 independently controlled sample lines
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Particle Measuring Systems, Inc. reserves the right to change specifications without notice.



Registration applies to the Boulder, Colorado facility.

AUTHORIZED REPRESENTATIVE



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