

MICROBIAL AEROSOL SAMPLER

1. Feature

- ✓ Concentrate into small volume samples on site to improve monitoring sensitivity.
 - ✓ Effective collection of microbial toxins, viruses, bacteria, molds, pollen, spores, etc.
 - ✓ Using culture and molecular biology detection methods to effectively detect the collected microbial aerosols
- Effectively monitor microbial pollution in the ambient air.



Microbial aerosol sampler MAS-300

2. Product parameters

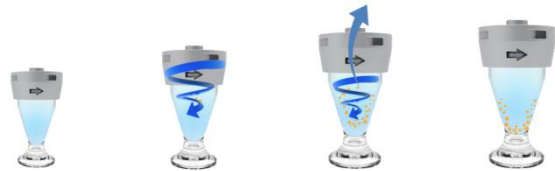
Model	sampler MAS-300	Model	sampler MAS-300
Dimensions (L * W * H)	330mm*300mm*400mm	Collect particle size	≥0.5μm
Net Weight	3.4Kg	Collection efficiency	D50<50 μm
Collection flow rate	100、300、500 LPM (Three adjustments)	Sample collection	Conical collection bottle (can be autoclaved)
Collection time	1-20 min (Optional battery)	Additional features	Intelligent induction of temperature and humidity; device tipping alarm

3. Product parameters

- Application of new wet-wall cyclone technology, superior to traditional air sampling methods
- High collection flow rate, long-term monitoring (most often continuous monitoring for 12 hours)
- The collected samples are diversified to meet various analysis and detection technologies
- Automatic temperature and humidity monitoring, Verified by a third-party organization, compatible with ISO 14698

4. Technical principles

- (1). Fill the sterile cone with a specific collection liquid;
- (2). The air is drawn into the cone, forming a vortex;
- (3). The microbial particles are separated from the air and attached to the wall of the cone;
- (4). The microorganism samples to be tested are stored in the collection solution.



Collection fluid air Microorganism Granules

5. Application field



Public health and wellness



Animal husbandry



Food and drug production



Scientific experimental research



Homeland Security and



Environmental pollution monitoring

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