Laboratory air microorganism sampler

IAMS-2052 Microbial air samplers are the industry standard for use in cleanrooms and critical environments. The model 2052has high collection efficiency for precise and reproducible measurements. Microbiological air sampler is used todetect microorganisms content in the atmosphere by aspiration method at different stages of the operationalprocess in order to analyze their presence and concentration.

Feature

- Aspiration rate stable at 100 l/min, volume range 1-9999L.
- 304 stainless steel material, with a total of 400 holes and aperture p 0.6mm,impact velocity 10.8m/s
- Can set loop sampling, delay sampling, interval sampling.Build-in lithium battery, keep sampling up to 6 hours.
- Audit trail function & user management, ensure data integrity.Sampling from environmental air and compressed air.
- Excel reports such as User Audit Trails,GMP metadata reports, audit logs,stored data, and program settings are provided.
- Double sampling mode for time and volume.Preset points in a cleanroom.

Specification

Parameter	Range	Resolution	Error
Sampling flow	100L/min	1L/min	±2.5%
Impact velocity	10.8 m/s		
Preset points	≥200000 points		
Loop sampling	0~23h59min59s, 8 preset delay times		
Delay sampling	0-999 times, preset 8 sampling cycles		
Interval sampling	0-23h59min59s, with preset 8 intervals		
Range of sampling volume	1-9999L		
Specification of petri dish	90mm,100mm		
Data Storage	1000000		
Instrument noise	<60dB(A)		
Battery working time	>6h		
Power	AC100~240V 50/60Hz, DC15V 3A		
Working temperature	(-20~50)℃		
Size of host	(L125×W128×H217)mm		
Weight of host	about 2kg		
Host power consumption	<15W		

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IAMS-2050A Microbial Air Sampler is an efficient single-stage multi-hole impact sampler. The impact velocity of thesampler is 10.8m's, and the particle size of the collected particles is greater than 1um. The principle of the sampler isbased on the Anderson collision principle , which extractes air at a fixed flow rate. Planktonic bacteria suspended in theair are accelerated to impact on the surface of the specialised medium through the sample head. The sampler can bewidely used in pharmaceutical,food, drug testing, disease control, health and epidemic prevention, hospitals and otherrelated industries.

Feature

- Imported fan and electronic flow sensor allow for more accurate flow control.
- Automatically stop sampling when the sampling flow cannot reach (insufficient power or blocked sampling head).
- Built-in high-capacity lithium battery, which can sample for 6 hours of continuously.
- Historical data can be queried at any time and exported through USBflash disk.
- The shell is anodised aluminium, solid and durable, fashionable and beautiful.

Specification

Parameter	Range	Resolution	Error
Sampling flow	100L/min	1L/min	±2.5%
Working temperature	(-20~50)℃		
Sample volume setting range	(20~5000)L		
Petri dish specification	90mm		
Instrument noise	<60dB(A)		
Battery working time	>6h		
Power suppley adapter	Input AC100~240V 50/60Hz output DC15V 3A		
Host size	(Long 130 x Width 110 × Height 210) mm		
Host weight	About 1.5kg		
Host power consumption	<15W		