

ZR-2052 Microbial Air Sampler

01

Overview

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



Standards

ISO 14698-1
BS EN 17141

Product Advantages

- ✓ Aspiration rate stable at 100 l/min, volume range 1-9999L.
- ✓ 304 stainless steel material, with a total of 400 holes and aperture ϕ 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.

02

Accessory



Host and Plastic box (ABS)



Desktop power supply adapter



Triangular support

03

ZR-G01 Compressed Gas Sampling Head

G01 should operate with ZR-2052 host, is used to detect microbial content in compressed gas.

Optional

- ✔ Equip a pressure valve to reduce compressed pipeline pressure.
- ✔ Material is anodized aluminum, easy for disinfection.
- ✔ Flowmeter is made of high-pressure-resistant material, which has high-pressure resistance and good pressure reduction.



Parameter	Description	Error
Flow Range	(0~6000)L/min, adjustable	±4%
Pressure Range	(0~10)Mpa	
Operating Temperature	(0~65)°C	
Weight	<1kg	



04

Parameter Range Resolution Error

Specification

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	Φ90mm, Φ100mm		
Data Storage	1000000		
Instrument noise	< 60dB(A)		
Battery working time	>6h		
Power	AC100~240V 50/60Hz, DC15V 3A		
Working temperature	(-20~50)°C		
Size of host	(L125×W128×H217)mm		
Weight of host	about 2kg		
Host power consumption	<15W		

