

Aerosol Photometer ZR-6012



Introduction

ZR-6012 aerosol photometer is designed based on Mie scattering theory and is a special equipment used to test whether there is any leakage in the high efficiency particulate air (HEPA) filter. The instrument complies with relevant national and industrial standards, can quickly test the upstream and downstream aerosols concentration of HEPA filters, and display the leakage rate of HEPA filters in real time. Suitable for leakage detection of clean rooms, laminar flow tables, biosafety cabinets, glove boxes, HEPA vacuum cleaners, HVAC systems, HEPA filters, negative pressure filter devices, operating rooms, nuclear filtration systems, etc.

Features

- Three-level user management and audit trails to ensure data integrity
- Aerosol concentration detect range up to $700\mu\text{g/L}$
- Built-in large capacity lithium battery, working continuously for 4 hours
- High-definition 5-inch color touch screen for convenient interaction
- Support DOP, PAO and other aerosol types
- Printing data via a built-in thermal printer



- Supports system upgrade or data export via USB flash drive
- A large-capacity data storage, saving sampled data in real time
- Support visual, auditory and vibration alarm after exceeding the set value
- Error detection, automatically protecting the instrument
- Small, lightweight, and portable
- Traceable test value, calibrated by Junray calibration setups.

Carry Case

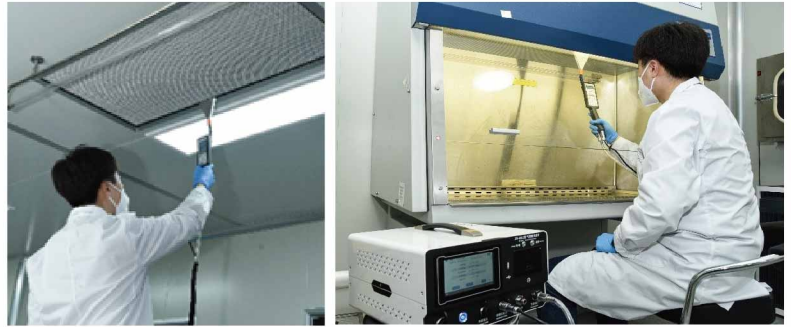


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Reference standards

- ISO 14644-3
- GMP
- GB 50591-2010
- NSF/ANSI 49-2024
- BS EN 12469:2000
- IEST-RP-CC034
- JJF1815-2020
- JJF 1800-2020

Application



Specifications

Sampling flow	28.3L/min, $\pm 2.5\%$
Range	0.0001~ 700 $\mu\text{g/L}$
Leakage rate range	0.0001%~100%
Precision	1% of the value in the range of 0.01% to 100%
Repeatability	0.5% of the value in the range of 0.01% to 100%
Data Storage Capacity	100000 groups
Battery	4 hours working
Alarm	Visual, auditory, vibration
Zero	Automatically establish zero point
Aerosol agent	PAO, DOP and other aerosol types
Environmental sensor	Temperature, humidity, atmospheric pressure
HEPA filtered exhaust	Rating 0.01 μm
Language	English
Environmental temperature	10 $^{\circ}\text{C}$ ~35 $^{\circ}\text{C}$
Environmental humidity	5%~85%RH(No dew, no ice)
Storage requirements	-10 $^{\circ}\text{C}$ ~ 40 $^{\circ}\text{C}$, RH<85%, no dew
Noise	<65 dB(A)
Power	AC110-240V, 50/60Hz
Power consumption	<150W
Size(W×D×H)	(300×330×184)mm
Weight	8.9 kg
Packed weight	15kg(Outer packing, instrument, accessories, etc.)