

SHIV AEROSOL PHOTOMETER



OVERVIEW

Aerosol photometer is used to test whether there is leakage on HEPA filter. According to the principle of light scattering, it is portable, yet rugged for in-situ filtration system integrity testing.

The instrument conforms to NSF49 / IEST / ISO14644-3, could realize rapid detection of upstream and downstream concentration detection and real-time display leakage on the host and handheld device, and could find leaking position rapidly and accurately

STANDARDS

NSF/ANSI 49-2019
ISO14644-3:2005

GB 50073-2013
GB 50591-2010
GMP
YY0569-2005
JJF 1815-2020

Biosafety cabinetry
Cleanrooms and associated controlled environments-Part 3 :Test Methods
Code for design of clean workshop
Code For construction and acceptance of cleanroom
Factory and device
Biosafety Cabinet
Calibration Specification for class II biosafety cabinet

FEATURES

⚙️ POWERFUL FUNCTION

Stable digital photometer
Dynamic Range : 0.0001ug/~700ug/L

⚙️ GOOD HUMAN-COMPUTER INTERACTION

5.0-inch color screen, Touch operation
Lightweight, portable and equipped with suitcase, easy To carry
The hand held device is equipped for hard to reach areas, easy to control, display and sample
Build-in Battery (optional) >3.5H

⚙️ DATA QUERY

USB & Printer available for real-time reporting.
Audit Tracing & assign permissions to users, further guarantee data integrity
sampling Data can be imported to PC

⚙️ AUTOMATIC REMINDER

When Exceed the set Value, Light & Voice alarm
inform you to replace the high efficiency filter.
Self protection in case of failure

PARAMETER

Sampling Flowrate : 28.3L/min

Dynamic Range : (0.0001~700)ug/L

Leakage detection : 0.0001%~100%

Sensitivity : 1% of readings > 0.01% to 100%

Repeatability : 0.5% of readings > 0.01% to 100%

Data Storage : 100000 groups

Environment Temperature : (10~35)C

Environment Humidity : 5% -85% (No condensation, No icing)

Storage requirements : (-10-40) C (No condensation, when relative humidity
lower than 85%)

Aerosol Support : PAO,DOP etc

Size : (length 300Xwidth 330X height 184) MM

Weight : About 8kg (Battery included) About 14kg (Packing Box included)

Power Consumption : <200W

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APPLICATIONS



Medical Facilities and cleanrooms



Biosafety Cabinets and fume hoods



Independent filter certifiers



Pharmaceutical Manufacturers

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