Special for Calibration of Metrological Verification Institution Aerosol Photometer 3995

Metrological Verification Institution for Aerosol Photometer 3995

The Aerosol Photometer 3995 is a high–precision instrument specially designed for the calibration and metrological verification of aerosol photometer products. This product fully meets the metrological performance requirements of the national metrological calibration specification JF1800–2020 for the precision aerosol photometer.

The product has the characteristics of advanced technology, scientific design, compact structure and convenient for carrying. The operation and relevant settings can be completed on the colorful touch screen interface.

By setting the noise suppression function, the instrument can make the reading of the test data more convenient and stable. Configuring USB communication function, it can be perfectly connected with other testing equipment. It is an ideal supporting product for aerosol photometer calibration device.

Key Features & Benefits ▼

5.6" colorful touch screen with rich options, reasonable design and easy control

Optional Chinese and English Operation Interfaces

Built–in printer, supporting long–term thermal paper printing and real–time printing of test data

More than ten types and two customized aerosol types such as PAO and DOP can be selected

Aerosol noise suppression, alarm limit, report mode, date and time can be set intelligently

Excellent performance with flow monitoring device and sampling pump with adjustable pulse width

Model	3995
Principle	Light Scattering Method.
Dynamic Range	0.0001~600μg/L (mg/m3)
Data Display Range	0.0001 ~ 100.0%
Accuracy	±0.5% of Readings (0.01%–100%)
Repeatability	±0.5% of Readings (0.01%–100%)
Resolution	0.0001μg/L
Flow Control	28.3 L/min (1cfm) ±5%
Display Screen and Buttons	5.6inch Colorful Touch Screen
Communications	USB Communication (Modbus Communication Protocol)
Aerosol Type	More than ten options such as PAO and DOP
Report	Continuity, summary, monitoring
Thermal Printer	Built–in thermal paper, 57mm width x φ20mm
Storage Temperature	–20°C–60°C (relative humidity below 95% without condensation)
Operating Environment	5°C~50°C less than 95%RH (non–condensation and non–icing)
Power	200~240V 50Hz 0.25A
Dimensions	(300 x 155 x 370) mm
Weight	10.7kgs (Host) approx.
Configuration	Host, Sampling tube, Power cord, Portable Carrying Case, Operations Instruction, and Verification Report