

Introduction to air flow meter



model :FL-1

model :FL-2

The FL series air volume meter precisely measures the air supply volume in clean rooms and provides accurate data on the air change rate. Air supply volume and wind speed are key indicators of the air change rate in clean rooms. It uses the Pitot tube principle to automatically detect wind pressure at multiple points and times, automatically calculating and displaying the air volume and wind speed. The system features a touch screen for user interaction, making it easy to operate.

The FL series air volume meters can be directly used to measure the air volume at outlets and in ducts, offering quick and easy measurements. They are widely used in HVAC, purification technology, and other industries. To facilitate on-site testing for customers, a mobile bracket is provided, allowing the measurement height to reach 3.2m (including 1m of the meter body). Drawing on the advanced technology of similar foreign products, our company has pioneered the domestic production of air volume meters. Each meter undergoes multi-point air volume calibration using a strict 0.5-grade standard wind tunnel calibration device upon factory release, ensuring reliable quality assurance for users' accurate air volume measurements.

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merit

- Provide a complete verification manual to facilitate compliance with pharmaceutical/electronic specifications
- You can directly connect the Bluetooth printer for data printing
- Preset storage sample scheme to reduce operator error
- Super light weight and ergonomic design suitable for one person to operate
- Air volume and air speed are displayed simultaneously
- Environmental pressure difference is presented in real time
- The upgraded FL-2 account management can assign multiple levels of permissions according to the account type
- Upgraded FL-2 touch screen human-computer interaction for easy operation
- The upgraded FL-2 can be controlled remotely using WiFi network; it supports modbus protocol

function

- Compatible with conventional clean room environment and other clean environment monitoring
- Complies with GMP standards
- 4.34.3 inch touch screen, use gloves to simplify operation
- Bluetooth printer, can print wirelessly

apply

- Clean room air supply volume and wind speed detection
- Clean room return air volume and wind speed detection
- Air volume acceptance of HVAC engineering
- Air volume detection of ventilation duct
- Ventilation duct inspection of medical operating room

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parameter

model	FL-1	FL-2
Measure air volume	150-3500m ³ /h	150-4000m ³ /h, the wind speed is calculated according to the air volume
Full scale relative error	±5%FS	
Self-resistance	≤5Pa	
Automatic storage	Air volume values for 99 air outlets	Air volume values for 20,000 air vents
Printer	Bluetooth printer	
Cell	Rechargeable battery, can be used for 6~8 hours after full charge.	Rechargeable battery, 4 hours after full charge
Sheet	1, 570×570(mm); 2, 830×830(mm)	
Cradle	Lifting bracket (measuring height can be raised to 3.2m)	
Test the environment	Temperature: 5~40°C; Relative humidity: 10%~70%RH;	
	It is strictly prohibited to measure corrosive gases	
Calibration criterion	JJF (SU) 179-2015	
Data export	apolegamy	USB export, network (WiFi) export
Environment	Temperature: 5~35°C, relative humidity: 30%~ 70%RH	
	It is strictly prohibited to measure corrosive gases	
Quality Assurance	The warranty is 1 year, and optional extended warranty service can be selected	
Differential pressure	/	Environmental pressure difference is presented in real time
Communication mode	/	Supports modbus TCP/IP or WIFI
Touch screen	/	4.34.3 inch touch screen, wear gloves to use
Account management	/	Administrators have the right to create and delete sub-users



Suzhou Suxin Environmental Technology Co., LTD



One-to-one service



Quality three guarantees



factory direct sale