

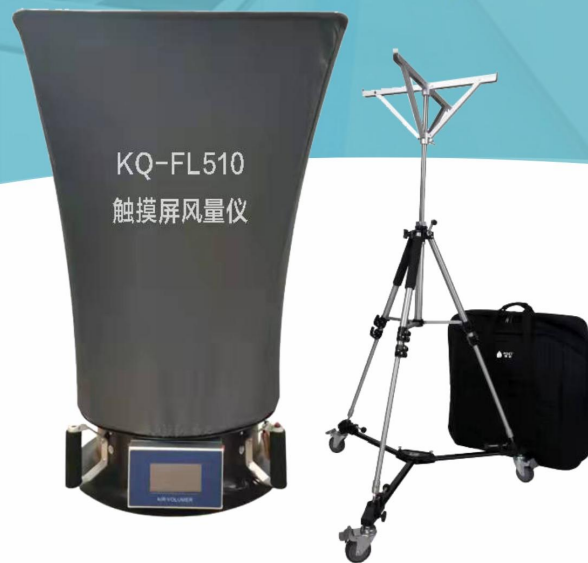
KQ-FL510

Touchscreen Balometer Capture Hood

The KQ-FL510 touchscreen balometer capture hood adopts the pitot tube principle to automatically detect air pressure at multiple points and multiple times, generating average airflow (m^3/h). It is characterized by accuracy, speed, and simplicity, and is widely used in HVAC and purification technology industries for direct measurement of airflow at air outlets and in pipelines.

The touchscreen balometer capture hood is divided into air outlet type and pipeline type. It can display measurements individually or realize centralized computer display and management of airflow at multiple room air outlets or in multiple pipelines.

Each KQ-FL510 touchscreen balometer capture hood is calibrated at multiple airflow points through a strict 0.5-level standard wind tunnel calibration device before leaving the factory, providing reliable quality assurance for users to accurately measure airflow. It is a reliable and simple instrument for direct airflow measurement.



Product Features

- Adopts the pitot tube principle to automatically detect air pressure at multiple points and multiple times, generating average airflow, which is on par with international standards.
- 5000 groups of data storage for viewing, printing, and recording anytime and anywhere.
- Low self-resistance and high measurement accuracy.
- Data is not lost after power failure (within 4 hours).
- External printer and USB flash drive data export.
- The mobile bracket can be raised up to 2.8m, and the hood is 0.9m, with an overall height of up to 3.7m, providing convenience for testing (optional)

Technical parameters

Model	KQ-FL510	KQ-FL501
Sampling Airflow Range	150-3500m³/h	80-2500m³/h
Sampling Airflow Accuracy	±5% of reading	
Sampling Airflow Resolution	1m³/h	
Temperature Measurement Range	0-60°C	
Temperature Measurement Accuracy	±0.5°C	
Temperature Measurement Resolution	0.1°C	
Humidity Measurement Range	0-100%RH	
Humidity Measurement Resolution	0.1%RH	
DC Power Supply	Two Panasonic 3.7V 2200mAh lithium batteries	
AC Power Supply	AC220V 50Hz converted to DC9V	
Battery Life	≥12 hours	
Self-Resistance	≤5Pa	
Air Velocity	Air velocity can be directly read through airflow	
Data Memory Capacity	1~5000 groups of measurement data (queryable)	
Charging Time	2 hours	
Airflow Hood Dimensions (mm)	570*570/830*830	
Test Direction Setting	Direction A, Direction B	
Screen Display	4.3-inch color touchscreen with print interface	
Printing Method	External wireless thermal printer	
Startup Method	Screen click, handle button, wireless remote control	
Data Communication Interface	USB	
Environment	Operating Environment: 0~40°C, Relative Humidity: 10~90% Storage Environment: -30°C~45°C Relative Humidity :0~90% Corrosive gas measurement is strictly prohibited	
Weight (including battery and 570 sampling hood)	4Kg	

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