

Airflow Tester

Features (Patented as a movable measurement device for measuring device airflow and system impedance)

Enables the selection of the optimal fan for a device

An optimal fan for a device can be selected by entering accurate measurement results into thermal design simulation software.

Compact and lightweight

With a compact design and weight of approximately 6 kg, it is portable enough to measure immobile equipment.

Measurement Functions

- System Impedance Measurement of the resistance to the flow of air within a device
- Operating Airflow Measurement of the actual airflow that passes through a device when a fan is mounted
- P-Q Performance Measurement of airflow versus static pressure characteristics*

* Performance curve that illustrates the characteristics of a fan for use within a certain system.

It shows the relationship between airflow and static pressure.



With connection duct mounted



Specifications

Model no.		9AT2560S-000□*	9AT2560A-000□*	9AT2560C-000□*
Measurement units	Airflow	m ³ /min	CFM	CFM
	Static pressure	Pa	inchH ₂ O	Pa
Measurement range	Airflow	0.20 to 8.00 m ³ /min	7 to 282 CFM	7 to 282 CFM
	Static pressure	0 to 1000 Pa	0 to 4.01 inchH ₂ O	0 to 1000 Pa
Measurement accuracy	Airflow	±7% of maximum measurable airflow with each nozzle		
	Static pressure	±10 Pa (0.04 inchH ₂ O) for measurement results < 200 Pa, ±50 Pa (0.20 inchH ₂ O) for measurement results ≥ 200 Pa		
Operating environment	Ambient temperature	0 to 40°C		
	Humidity	20 to 85% RH (non-condensing)		
Display		Data no., Measurement values (airflow, static pressure**), Measurement status, Nozzle selection, Measurement mode selection		
Interface		Digital output: Included USB serial adapter		
Power supply	Input voltage	100 to 240 VAC, 50/60 Hz		
	Power consumption	260 VA max.		
Dimensions		600 (W)×250 (H)×250 (D) mm		
Mass		Main unit: Approx. 6 kg, Connection duct (including board holder): Approx. 1.5 kg		
Included peripherals		1 Set of measurement nozzles, Plastic mounting board (5 pcs / set), Connection duct, AC power cable (2.5 m), USB serial adapter, Instruction manual, Quick start guide, Data viewer software		

* The AC power plug shape differs with the number in □ of model numbers.

AC power plug included in models with 1 in □ is for Japan and North America regions (2 parallel flat pins + a round grounding pin), Input voltage: 100/120 VAC, 50/60 Hz

AC power plug included in models with 2 in □ is for Europe region (2 round pins + a female grounding contact), Input voltage: 220 VAC, 50 Hz

AC power plug included in models with 3 in □ is for China region (2 angled flat pins + a flat grounding pin), Input voltage: 220 VAC, 50 Hz

Product also available without an AC power cable. Model no. 9AT2560S-0000, 9AT2560A-0000, 9AT2560C-0000

** Static pressure values are calculated with standard atmosphere as 1013 hPa at 20°C.