

# 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 <sup>3</sup> /min	CFM	
	Static pressure	Pa	inchH <sub>2</sub> O	
Measurement range	Airflow	0.20 to 8.00 m <sup>3</sup> /min	7 to 282 CFM	
	Static pressure	0 to 1000 Pa	0 to 4.01 inchH <sub>2</sub> O	
Measurement accuracy	Airflow	±7% of maximum measurable airflow with each nozzle		
	Static pressure	±10 Pa (0.04 inchH <sub>2</sub> O) for measurement results < 200 Pa, ±50 Pa (0.20 inchH <sub>2</sub> 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.

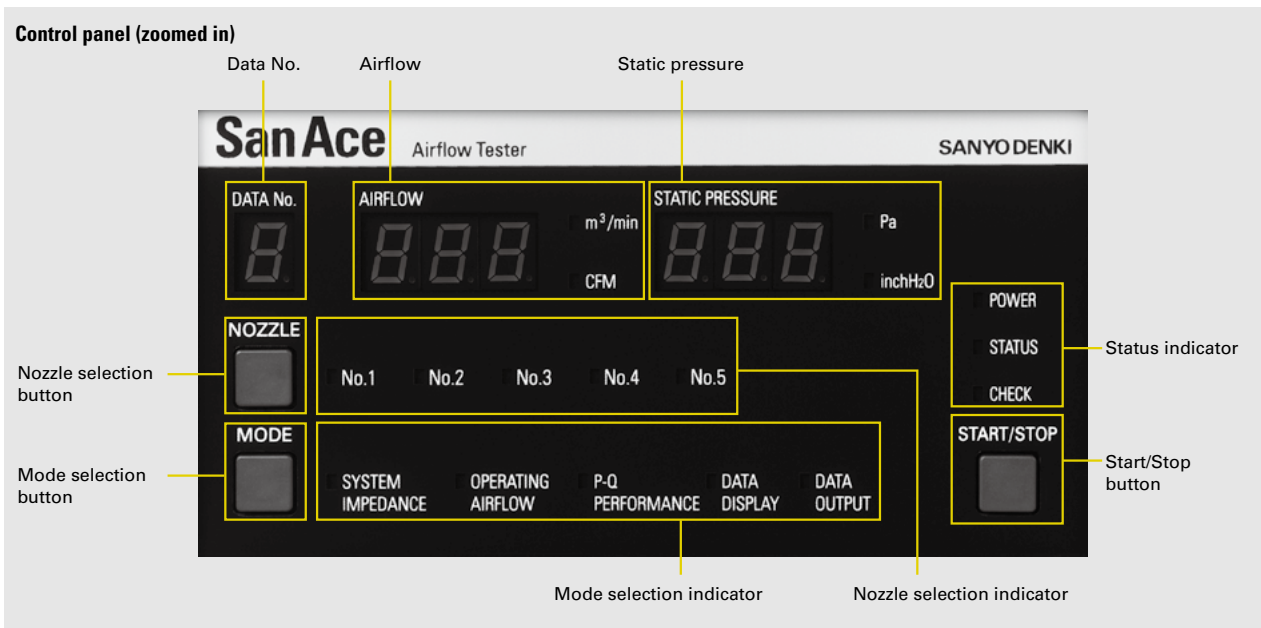
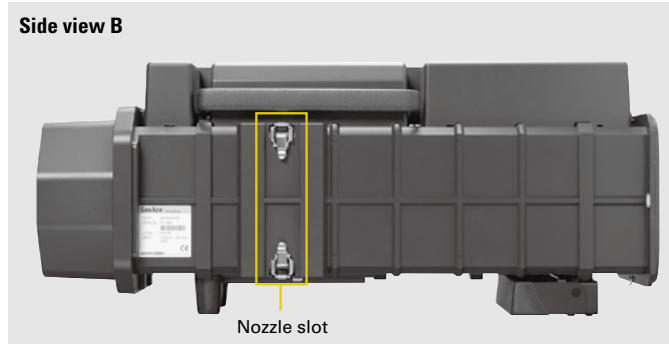
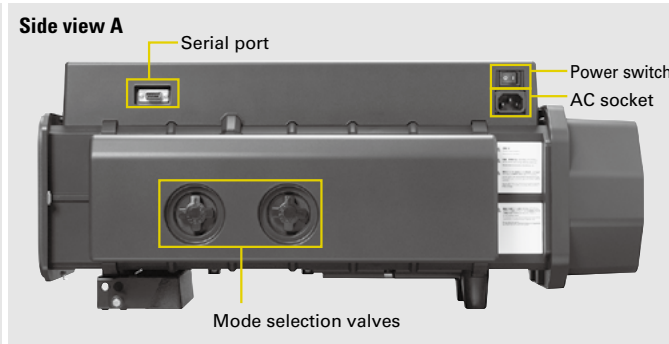
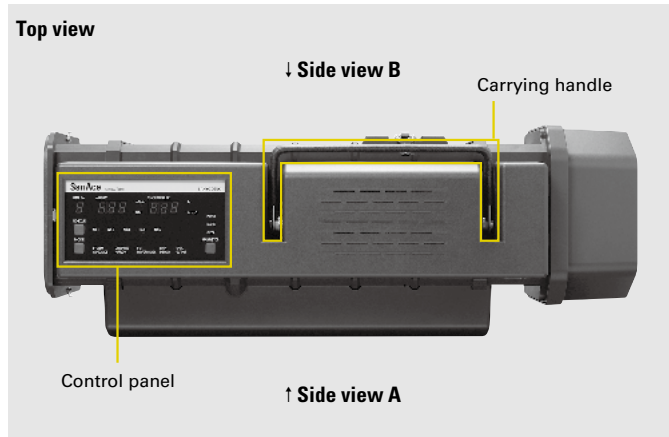
AC power plug included in models with 1 in □ is for Japan and North America regions (2 parallel flat pins + a round grounding pin), Input voltage: 100/120 VAC, 50/60 Hz

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

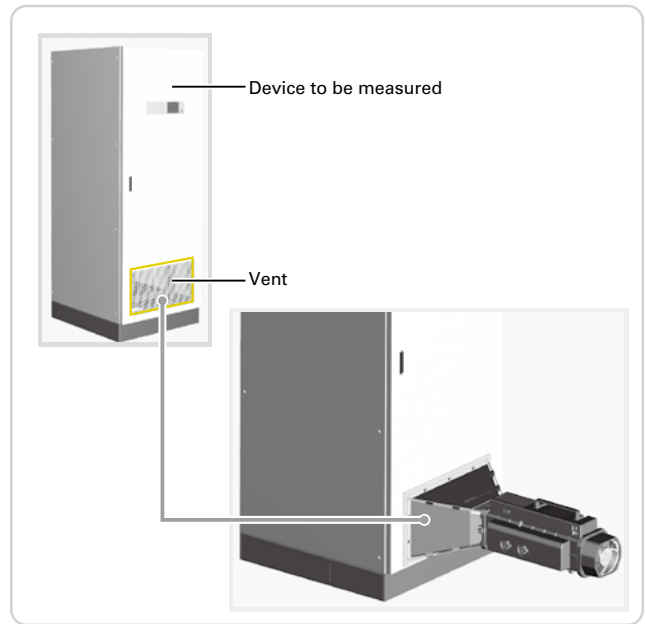
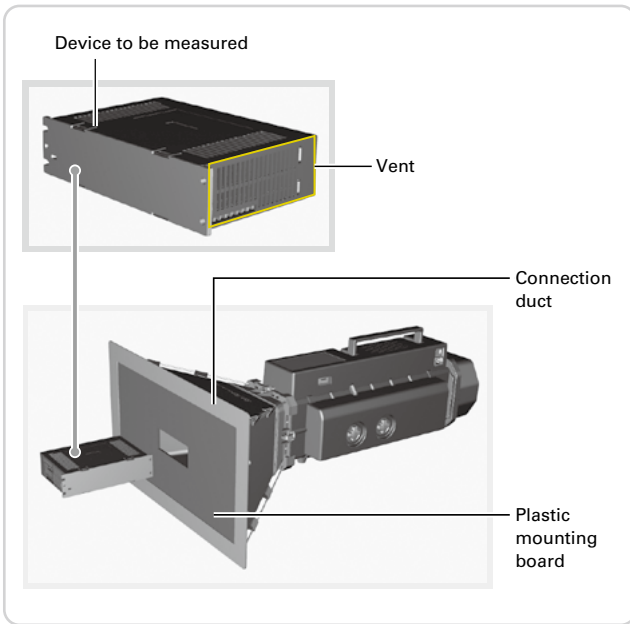
Product also available without an AC power cable. Model no. 9AT2560S-0000, 9AT2560A-0000, 9AT2560C-0000

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



**Usage Examples**

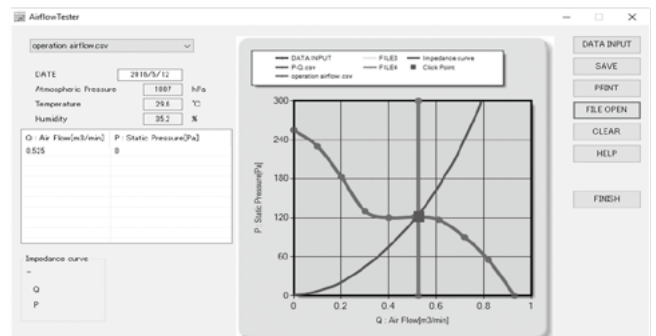
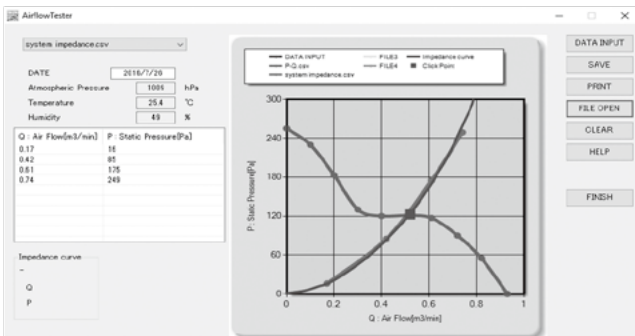
Cut out a hole in the mounting board matching the vent opening of the device to be measured, and place the mounting board firmly against the device to perform measurements.



**Data Viewer Software (included)**

Obtained measurement data can be represented as a graph and saved on a PC.

Screen examples P-Q performance shown below based on catalog data.



**Option**

**Carrying case** Measurement nozzle case included

<b>Model no.</b>	9AT2560-B001 Please add "CS" to the end of the model no. of Airflow Tester in page 1 when ordering Airflow Tester and carrying case as a set. e.g. 9AT2560S-0001CS
<b>Dimensions</b>	705 (W)×385 (H)×415 (D) mm

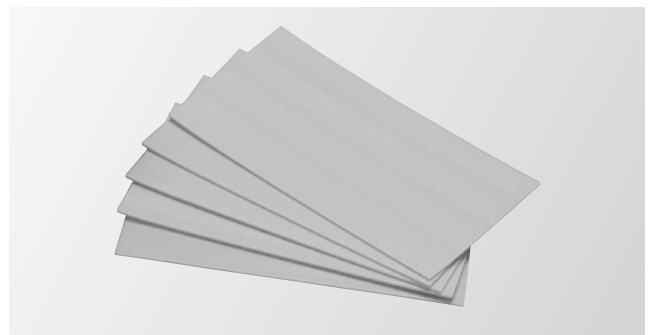


Carrying case, measurement nozzle case

**Plastic mounting boards**

Sized to fit the duct frame. Five boards included with Airflow Tester.

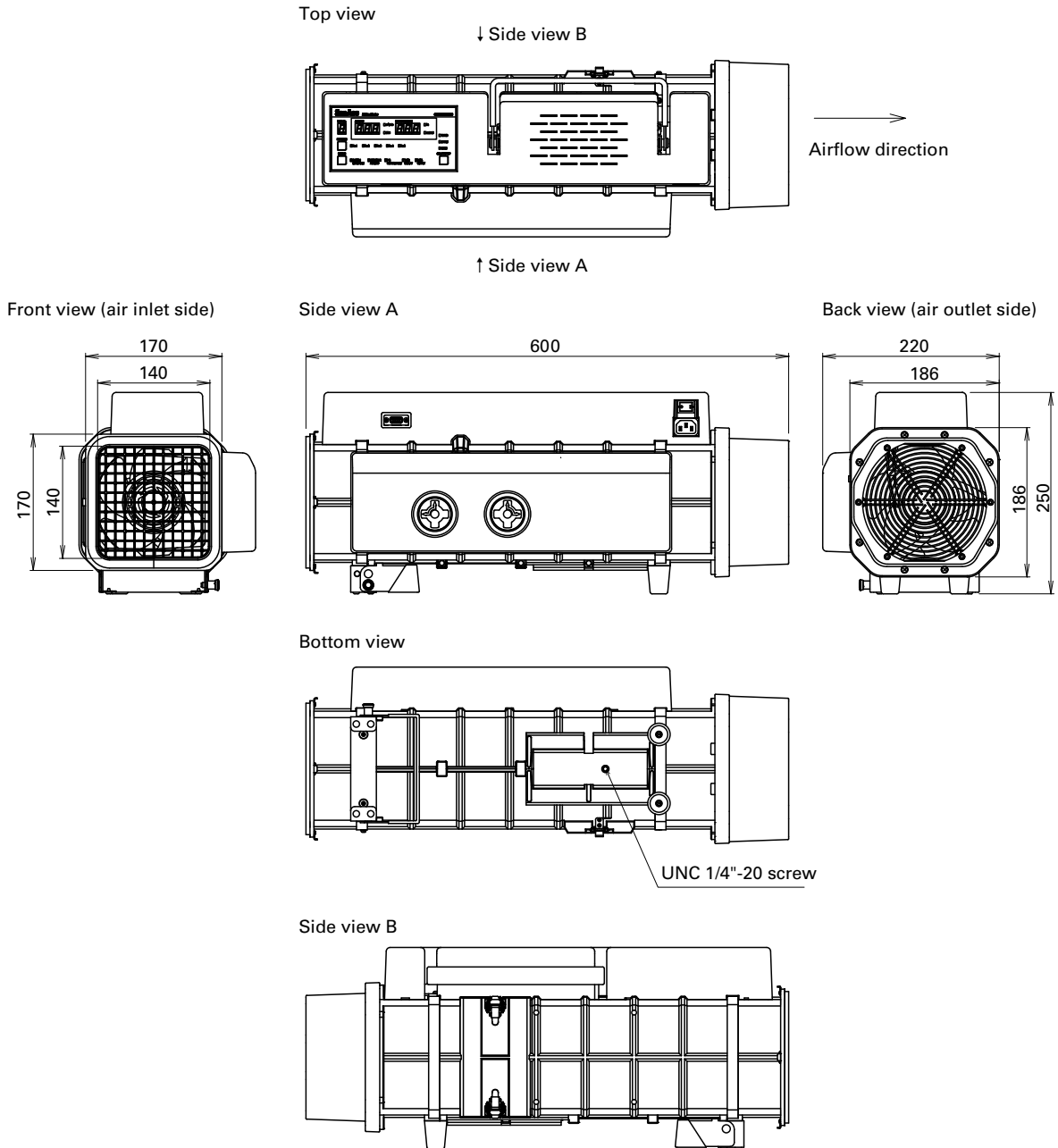
<b>Model no.</b>	9AT2560-P001
<b>Quantity</b>	5 pcs / set
<b>Dimensions</b>	525 (W)×275 (H)×4 (D) mm



Plastic mounting boards (5 pcs)

■ Dimensions (unit: mm)

● Main unit



● Connection duct

