

San Ace Airflow Tester



With connection duct mounted

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.

Specifications

Model no.		9AT2560S-000□ ^{*1}	9AT2560A-000□ ^{*1}	9AT2560C-000□ ^{*1}
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 1,000 Pa	0 to 4.01 inchH ₂ O	0 to 1,000 Pa
Measurement accuracy	Airflow	±7% of maximum measurable airflow with each nozzle		
	Static pressure	±10 Pa (0.04 inchH ₂ O) for measurement results lower than 200 Pa, ±50 Pa (0.20 inchH ₂ O) for measurement results higher than 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 ^{*2}), 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) x 250 (H) x 250 (D) mm		
Duct opening size		500 x 250 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, Connection duct, AC power cable, USB serial adapter, Instruction manual, Quick start guide, Data viewer software		

*1: 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

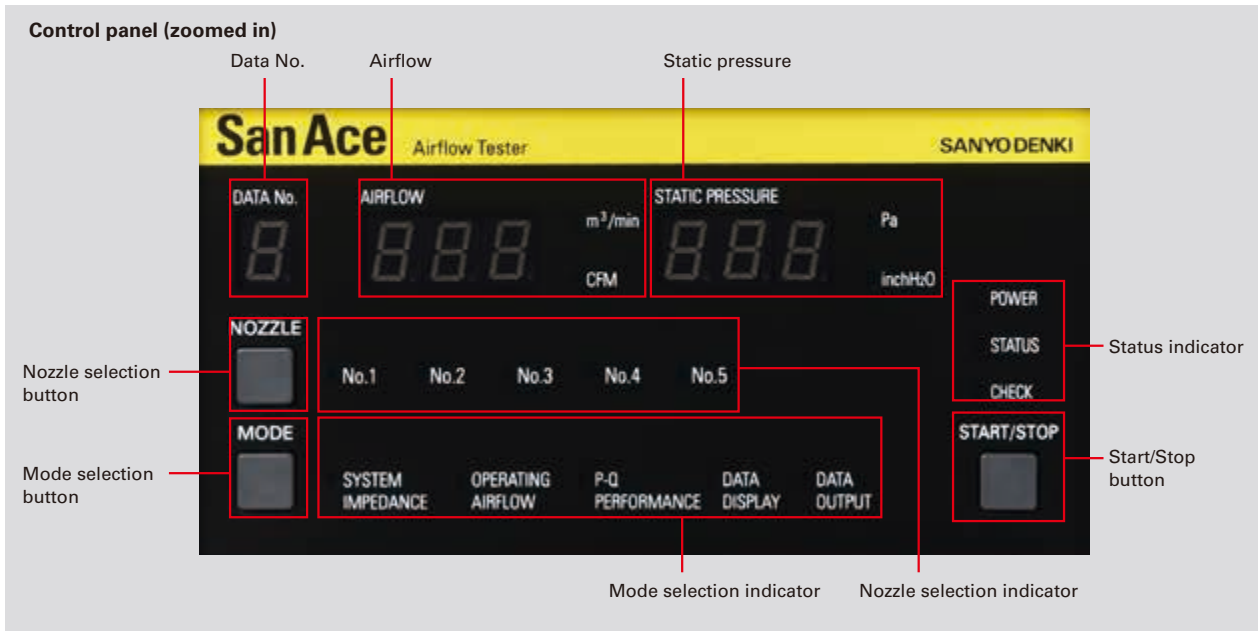
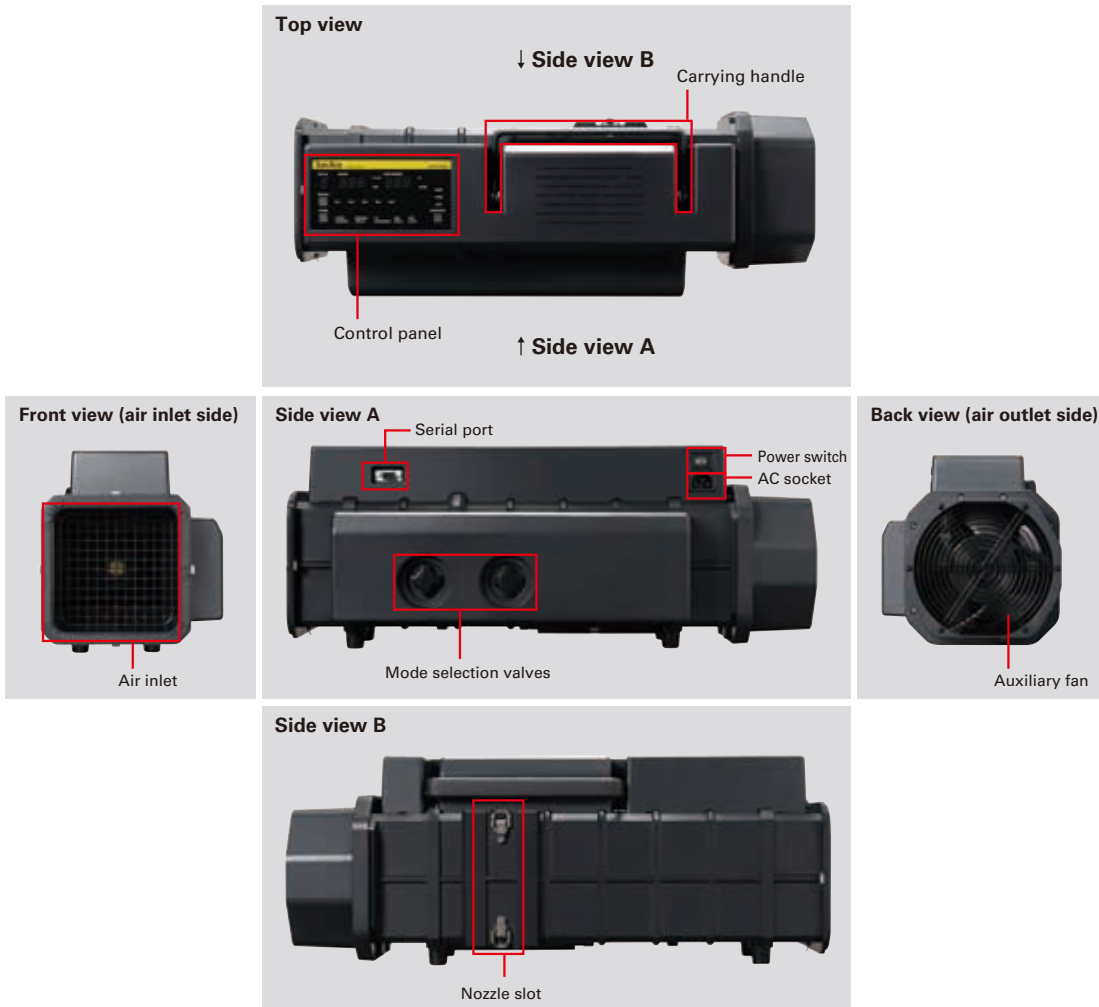
AC power plug included in models with 2 in □ is for Europe region (2 round pins + a female grounding contact), Input voltage: 220 VAC, 50 Hz

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

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

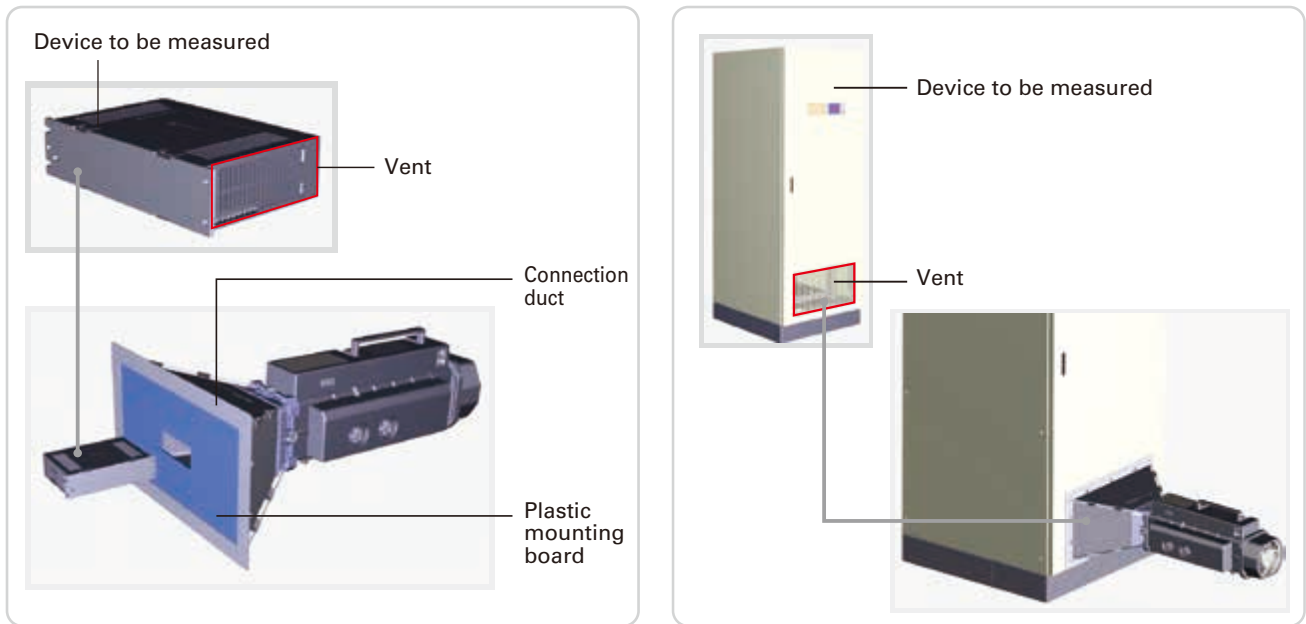
• As an option, we provide a carrying case that accommodates Airflow Tester and the included peripherals.

Airflow Tester Part Names

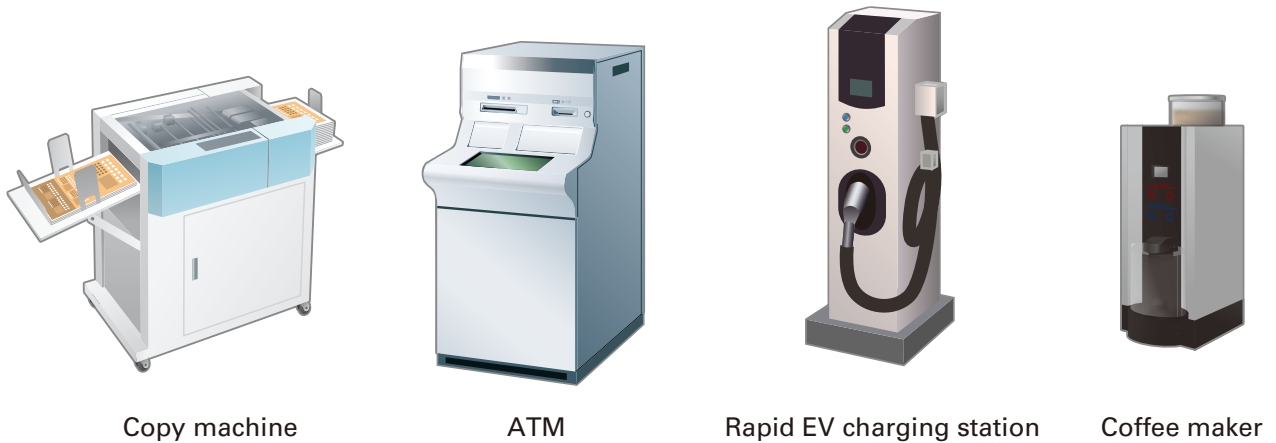


Usage Examples

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.

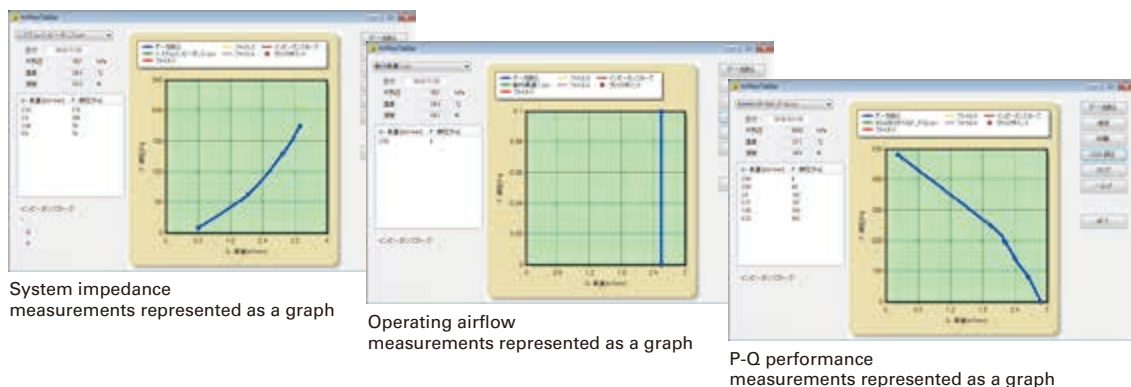


Suitable for measurement of devices shown below as well.

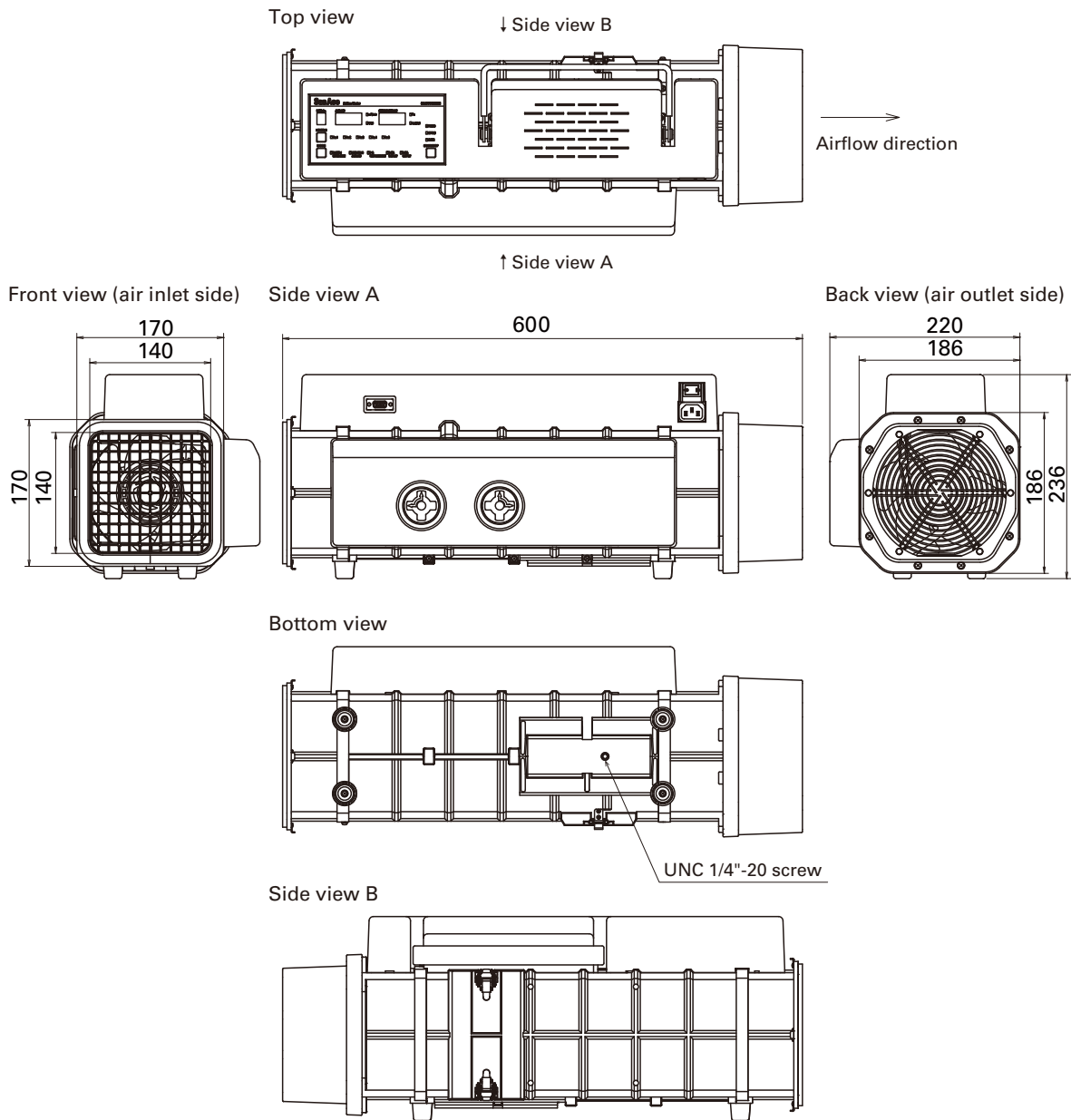


Data viewer software (included)

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



■ Dimensions (unit: mm)



Official Distributor
 TOMINAGA ELECTRIC CO.,LTD
<http://www.tominagadk.co.jp/>

Notice

- Before using the product, please read the included instruction manual carefully.
- Do not attempt to disassemble or modify the device.

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Specifications are subject to change without notice.

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