Thermal Anemometer
with Dumbbell-Shaped Sensor

Item no.	Storage
TA411DA	Temporary Data Storage
TA411DB	Temporary Data Storage/Constant Data Storage

The world's first handy type anemometer with dumbbell-shaped sensor.

**Wide-Angle Detection Area:
Horizontal 360-degree all-around / Vertical 90-degree**

Anemometer capable of highly precise & rapid measurement on conditions of zephyr(0.06m/s) & unstable wind direction.

Cut airflow causes measurement noise

45°   45°

360-degree all-around (Horizontal)

Sensor

45°   45°

Cut airflow causes measurement noise
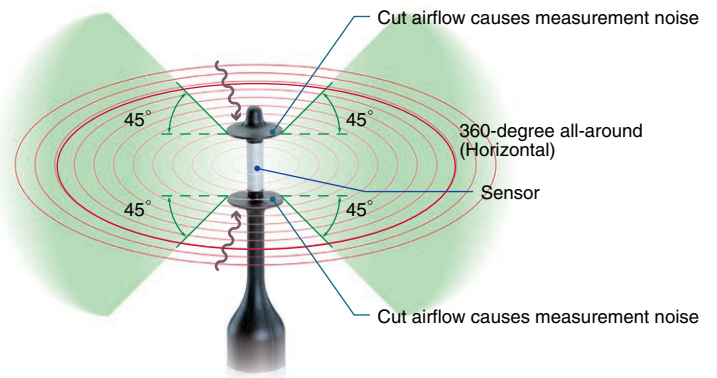
Purpose of Use
◆ Measuring wind velocity (air volume) of air conditioner & air duct
◆ Maintenance of air conditioner
◆ Measuring wind velocity and air temperature & volume of air duct
◆ Measuring wind velocity of air outlet
◆ Performance inspection of air conditioner
◆ Monitoring wind velocity and energy saving performance
◆ Monitoring wind velocity of air inlet

Maintenance of Sensor
Measuring dusty, dirty and oily air without bothering grime
Washing sensor by user

Correcting wind direction in use of vane type and hot-wire type

Spare Parts

Temporary Data Storage
Recording the current reading of <wind velocity and air temperature>/<wind velocity and air volume> by pressing [STORE] button
A maximum number of 99 data records can be stored

Time Constant Data Storage (TA411DB)
TA411DB can automatically record consecutive data on the interval by setup
Start of record ⇒ Stop ⇒ Resume by pressing [START/STOP] button
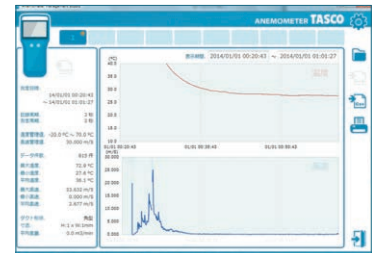
Software

TA411DA
Outputting the CSV file

TA411DB
Outputting the CSV file and graphing data
★Software download from Homepage

Software

Specifications

Measuring Method	Temperature	Wind velocity	Air volume
Measuring Object	Air		
Operating Environment (Pressure)	Atmosphere(700~1300hPa)		
Operating Environment (Humidity)	0~95% relative humidity (RH) No dew		
Operating Environment (Temperature)	0~+40℃		
Measuring Range of Sensor	-20~+70℃	0.06~30m/s	0~999999m^3/min
Measuring Resolution of Sensor	0.1℃	0.01m/s	1m^3/min
Error Range of Sensor	±2℃	±(5% of reading)+0.12m/s	
Response Time		3 seconds (0~5m/s)	
Maximum Number of Data Storage	TA411DA:Temporary Data: 99		
	TA411DB:Temporary Data: 99 Time Constant Data:15,000		
Power Supply	1.5V(AA) x 6 Batteries (8 Hours/Alkaline cell) ＊may change on operating environment		
Size Information	Main unit: 195 x 90 x 35mm Sensor Rod : _9mm x 260mm Cable: _4mm x 2000mm		
Net Weight	Approx. 520g (Sensor Rod, Batteries Inclusive)		
Standard of Waterproof & Dustproof	Main unit & Cable: IP65 Sensor Rod : IP67		
Major Features	Auto Power-Off, Backlit, Hold Button Function		
Contents	Main unit, Sensor Rod, Carrying Case, Batteries, USB Cables, Handy Straps, User's Manual		

Dumbbell-Shaped Sensor

Item no. TA411D-1P

Extendable Rod

Item no. TA411D-1S

◆ Length...225～1080mm
◆ Extendable Rod is enable to measure easily and safely at high place,narrow place and out side of window.