



### New Artisan™ Modular Thermo-Anemometer

New Artisan™ portable thermo-anemometer is ideal for checking air flow in heating and cooling ducts or fume hoods. Verify air flow, air volume and temperature simultaneously. Digital display reduces the variation from reading analog meters.

Place the remote vane probe with thermistor in the area to be measured, select the setup for the meter, then test. Depress HOLD to freeze the display. Average up to 8 data points for an overview of system performance.

Datalog air flow changes with RS-232 output and optional Windows software. Protective ABS case, battery and manual included. Low battery indicator. One year warranty.

**Air Flow!**  
**Air Temp!**  
**Air Volume!**



Place the probe of the Artisan™ AV1000 Thermo-anemometer in a small or remote location for the best reading

#### APPLICATIONS

*HVAC Monitoring  
Weather Monitoring  
Laboratories,  
Hospitals  
Office Environment  
Computer Rooms*

#### SPECIFICATIONS

	Air Flow	Temp
Measurement Range:	0.7 to 25 m/sec 125 to 4900 ft/min	-10 to 50°C (14 to 122°F)
Resolution:	0.01 m/sec, 1 ft/min	0.1°C or °F
Accuracy:	±2% full scale	±0.6°C(1.0°F)
Sensor:	Rotary vane, thermistor	
Operating Temp.:	0 to 50°C (32 to 122°F)	
Operating Humidity:	0 to 90% RH, non-condensing	
Storage Temp.:	-20 to 60°C (-4 to 140°F)	
Serial Output:	RS-232; 2400 baud, 1 stop/8 data bits; TXXX.XF, VXXXXFTM, TXXX.XC, VXXXXMPS	
Auto shutoff:	after 20 min of non-operation (disable features available)	
Power:	9 Volt battery (100 hrs life typ.) Low battery indicator.	
Dimensions: (L x W X D) (case dim.)	181 x 71 x 30 mm (meter only) (7.1 x 2.9 x 1.2 in.) 360 x 224 x 72 (14.2 x 8.8 x 2.8 in.)	
Weight (meter/probe):	370 g (13 oz)	
Shipping Wt:	1.4 kg (3 lb)	

#### SPECIAL FEATURES

*Digital display of both air flow and temperature  
Calculate air volume easily  
Modular probe for remote locations  
HOLD / Multi-point average  
RS-232 Output*

#### Air Volume Equations

$CFM(ft^3/min) = \text{Air Velocity (ft/min)} \times \text{Area (ft}^2\text{)}$

$CMM(m^3/min) = \text{Air Velocity (m/sec)} \times \text{Area (m}^2\text{)} \times 60 \text{ sec.}$

#### Units Conversion Table

	m/s	ft/min	knots	km/hr	mph
1 m/s =	1	196.87	1.944	3.6	2.24
1 ft/min =	0.00508	1	0.00987	0.01829	0.01138
1 knot =	0.5144	101.27	1	1.8519	1.1523
1 km/hr =	0.2778	54.69	0.54	1	0.6222
1 mph =	0.4464	87.89	0.8679	1.6071	1

#### AV1000 Ordering Information

Part No.	Description
AV1000.001	AV1000 Meter, ABS case & battery.
HH1000.950	Windows® software with PC cable.