



HVAC/IAQ Tools &gt; Air Testers &gt;

## Fluke 975 AirMeter™



**One Tool.  
Get More Done.**

The Fluke 975 AirMeter test tool raises indoor air monitoring to the next level by combining five powerful tools in one, rugged and easy-to-use handheld device. Use the Fluke 975 to optimize HVAC ventilation settings for ASHRAE 62 recommendations, actively monitor conditions that promote a productive environment, and quickly and accurately address occupant comfort complaints the first time. The Fluke 975 measures:

- Temperature
- Velocity
- Humidity
- CO<sub>2</sub>
- CO

**Use the Fluke 975 AirMeter test tool to:**

- Respond to comfort-related calls from occupants.
- Verify the operation of building HVAC control systems.
- Determine whether adequate ventilation exists.
- Monitor air flow and velocity.
- Test for dangerous carbon monoxide leaks.
- Perform duct traversals.
- Optimize HVAC systems to manage energy costs

## Fluke 975 AirMeter™

Five powerful tools in one, with simple one-touch air velocity

The Fluke 975 AirMeter test tool raises indoor air monitoring to the next level by combining five powerful tools in one, rugged and easy-to-use hand-held tool. The Fluke 975 AirMeter test tool makes indoor air quality testing easier and faster.



Optional Air Velocity Probe

## Technical Data

### Use the Fluke 975 AirMeter test tool to:

- Respond to comfort-related calls from occupants.
- Verify the operation of building HVAC control systems.
- Determine whether adequate ventilation exists.
- Monitor air flow and velocity.\*
- Test for dangerous carbon monoxide leaks.
- Perform duct traversals.

### Features:

- Simultaneously measures, logs, and displays temperature, humidity, CO<sub>2</sub>, and CO on a bright, backlit LCD display
- One-touch air flow and velocity with available probe\*
- Wet bulb and dew point temperature
- % of outside air calculation
- CO<sub>2</sub> and CO field calibration feature
- Self-test function at startup
- Auto-backlight
- Automatically compensates for barometric pressure changes
- Min/Max/Average on all measured and calculated readings
- Multi-language user interface
- Metric or standard units
- Audible and visual threshold alarms
- Extensive discrete or continuous data logging capacity, downloadable to PC via USB interface
- Keypad lock for security
- Included FlukeView Forms® software

\*Included with Fluke 975V, optional with Fluke 975

## Fluke 975 AirMeter specifications

Feature	Range	Display resolution	Accuracy
<b>Measured specifications</b>			
Temperature	-20 °C to 50 °C (-5 °F to 122 °F)	0.1 °F (0.1 °C)	± 0.9 °C/± 1.62°F from 40 °C to 50 °C ± 0.5 °C/± 1.00°F from 5 °C to 40 °C ± 1.1 °C/± 1.98 °F from -20 °C to 5 °C
Relative humidity	10 % to 90 % RH non-condensing	1 %	± 2 % RH (10 % RH to 90 % RH)
Air velocity	0.50 fpm to 3000 fpm 0.25 m/sec to 15 m/sec	1 fpm (0.005m/sec)	± 4% or 4 fpm* ± 4 % or 0.02 m/sec* whichever is greater *Accuracy specification only valid for velocity readings above 50 fpm.
CO <sub>2</sub>	0 to 5000 ppm	1 ppm	Warm up time 1 min (5 minutes for full specification) 2.75 % + 75 ppm
CO	0 to 500 ppm	1 ppm	± 5 % or ± 3 ppm, whichever is greater, @ 20 °C and 50 % RH
<b>Calculated specifications</b>			
Dew point temperature	-44 °C to 50 °C (-47 °F to 122 °F)	0.1 °C (0.1 °F)	± 1 °C when temp: -20 °C to 50 °C RH: 40 % to 90 % ± 2 °C when temp: -20 °C to 50 °C RH: 20 % to 40 % ± 4 °C when RH: 10 % to 20 %
Wet bulb temperature	-16 °C to 50 °C (3 °F to 122 °F)	0.1 °C (0.1 °F)	± 1.2 °C when RH: 20 % to 90 % temp: -20 °C to 50 °C ± 2.1 °C when RH: 10 % to 20 %
Volume flow rate (in a duct)	0 to 3,965 M <sup>3</sup> /m (0 to 140,000 cfm)	0.001 M <sup>3</sup> /min (1 cfm)	N/A: The volume flow calculation will be a simple average of the data points times the duct area
% outside air (based on temperature)	0 to 100 %	0.1 %	N/A
% outside air (based on CO <sub>2</sub> )	0 to 100 %	0.1 %	N/A
<b>General specifications</b>			
Operating temperature: CO and CO <sub>2</sub> sensors	-20 °C to 50 °C (-4 °F to 122 °F)		
Operating temperature: All other functions	-20 °C to 50 °C (-4 °F to 122 °F)		
Storage temperature	-20 °C to 50 °C (-4 °F to 122 °F)		
Humidity	10 % to 90 % (non-condensing)		
Altitude	Up to 2000 m (6562 ft)		
Shock and vibration	MIL-PRF-28800F: Class 2		
Multi-language interface	English, French, Spanish, Portuguese and German		
Battery	Rechargeable Li-Ion (primary), three-AA (backup)		
Data logging	25,000 records (continuous), 99 records (discrete)		
Warranty	Two-years		

## Ordering Information

**Fluke-975** AirMeter™  
**Fluke-975V** AirMeter™ with Velocity

### Included

AA alkaline batteries (3)  
 Users manual (with safety information)  
 Calibration cap  
 Hard carrying case  
 FlukeView® Forms software  
 Power adapter  
 International power plugs  
 Air velocity probe (Fluke 975V only)



## Optional accessories

**ToolPak™** Magnetic Meter Hanging Kit  
**Fluke-975CK** AirMeter Calibration Kit  
**Fluke-975VP** AirMeter Air Velocity Probe