

# FLUKE®

## Fluke 975 AirMeter

Combined air quality inspection tool for monitoring temperature, humidity, velocity, CO and CO<sub>2</sub>



**Fluke.** *Keeping your world up and running.™*

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Printed in the Netherlands 09/06.  
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Pub\_ID: 11163-eng Rev. 01

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Fluke 975



## Combined inspection tool for complete air quality inspections.

The Fluke 975 AirMeter combines five air monitoring tools into one, rugged and easy-to-use handheld tool. Use the Fluke 975 to verify the efficient operation heating, ventilation and air conditioning systems, and test for dangerous carbon monoxide leaks in all types of buildings.

- 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 measurements with available probe
- Min/Max/Average on all measured and calculated readings
- Audible and visual threshold alarms
- Multi-language user interface
- Extensive discrete or continuous data logging capacity, down-loadable to PC via USB interface

## Specifications

(Check the Fluke web for detailed specifications)

Feature	Range	Display resolution	Accuracy
<b>Measured specifications</b>			
Temperature	-20 °C to 60 °C	0.1 °C	± 0.9 °C from 40 °C to 60 °C ± 0.5 °C from 5 °C to 40 °C ± 1.1 °C from -20 °C to 5 °C
Relative humidity	10 % to 90 % RH non-condensing	1 %	± 2 % RH (10 % RH to 90 % RH)
Air velocity	0.25 fpm to 3000 fpm 0.25 m/sec to 15 m/sec	1 fpm 0.005m/sec	4 % or 4 fpm* 3 % or 0.015 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 57 °C	0.1 °C	± 1 °C when temp: -20 °C to 60 °C RH: 40 % to 90 % ± 2 °C when temp: -20 °C to 60 °C RH: 20 % to 40 % ± 4 °C when RH: 10 % to 20 %
Wet bulb temperature	-16 °C to 57 °C	0.1 °C	± 1.2 °C when RH: 20 % to 90 % temp: -20 °C to 60 °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

**Operating temperature**  
(CO and CO<sub>2</sub> sensors): -20 °C to 50 °C  
**Operating temperature**  
(all other functions): -20 °C to 60 °C  
**Storage temperature:** -20 °C to 60 °C  
**Humidity:** 10% to 90%  
**Altitude:** Up to 2000 m

**Shock and vibration:** MIL-PRF-28800F, Class 2  
**Battery:** Rechargeable Li-Ion (primary), three-AA (backup)  
**Weight:** 0.544 kg  
**Size (HxWxD):** 28.7 cm x 11.43 cm x 5.08 cm  
**Data logging:** 25,000 records (continuous), 99 records (discrete)  
**Multilanguage interface:** English, French, Spanish, Portuguese and German  
**Two-year warranty**

### Included Accessories

A4 alkaline batteries (3), Users Manual, Calibration Cap, FlukeView Forms Software, Power Adapter, International Power Plugs, Air Velocity Probe (Fluke 975V only)

### Ordering Information

Fluke 975 AirMeter  
Fluke 975V AirMeter with Velocity

### Recommended Accessories



Fluke 975VP  
AirMeter Velocity Probe