

FLUKE®

Fluke 975 AirMeter

Combined air quality inspection tool for monitoring temperature, humidity, velocity, CO and CO₂



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

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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, CO₂, 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
Measured specifications			
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 ₂	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
Calculated specifications			
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 ³ /m (0 to 140,000 cfm)	0.001 M ³ /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 ₂)	0 to 100 %	0.1 %	N/A

Operating temperature
(CO and CO₂ 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