Fluke 975 AirMeter™

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

Technical Data

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

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_2, 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_2 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
Measured specifications			
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_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 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^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
General specifications			
Operating temperature: CO and CO_2 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)

Fluke 975V pictured

Optional accessories

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

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

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