Specifications: Fluke 975 AirMeter™

Measured Specifications		
Temperature	Range	-20°C to 50°C (-5°F to 122°F)
	Display resolution	0.1°C (0.1°F)
	Accuracy	±0.9°C / ±1.62°F from 40°C to 60°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	Range	10% to 90% RH, non-condensing
	Display resolution	1%
	Accuracy	±2% RH (10% RH to 90% RH)
Air velocity	Range	50.0 fpm to 3000 fpm 0.25 m/sec to 15 m/sec
	Display resolution	1 fpm (0.005 m/sec)
	Accuracy	±4% or 4 fpm[1] ±4% or 0.02 m/sec[1] whichever is greater
		1. Accuracy specification only valid for velocity readings above 50 fpm.
C0	Range	0 to 500 ppm
	Display resolution	1 ppm

	Accuracy	±5% or ±3 ppm, whichever is greater, @ 20°C and 50% RH
CO_2	Range	0 to 5000 ppm
	Display resolution	1 ppm
	Accuracy	Warm up time 1 min (5 minutes for full specification) 2.75% + 75 ppm
Calculated Specifications		
Dew point temperature	Range	-44°C to 50°C, (-47°F to 122°F)
	Display resolution	0.1°C (0.1°F)
	Accuracy	±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	Range	-16°C to 50°C, (3°F to 122°F)
	Display resolution	0.1°C, (0.1°F)
	Accuracy	±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)	Range	0 to 3,965 M3/m, (0 to 140,000 cfm)
	Display resolution	0.001 M3/min, (1 cfm)
	Accuracy	N/A: The volume flow calculation will be a simple average of the data points times the duct area
% outside air (based on temperature)	Range	0 to 100%
	Display resolution	0.1
% outside air (based on CO_2)	Range	0 to 100%
	Display resolution	0.1% N/A
General Specifications		
Operating and 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)

Product overview: 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_2
- 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