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Fluke 975 AirMeter™

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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 (0.005m/sec) Accuracy: ± 4 % or 4 fpm* ± 4 % or 0.02 m/sec* whichever is greater *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
C02	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 CO₂)	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)
Warranty	Two-years