Fluke 975 AirMeter™
Five powerful tools in one, with simple one-touch air velocity

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, CO₂, 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
- CO₂ 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

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 tool. The Fluke 975 AirMeter test tool makes indoor air quality testing easier and faster.
## Fluke 975 AirMeter specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Range</th>
<th>Display resolution</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measured specifications</strong></td>
<td></td>
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<tr>
<td>Temperature</td>
<td>-20 °C to 50 °C (-5 °F to 122 °F)</td>
<td>0.1 °F (0.1 °C)</td>
<td>± 0.9 °C/± 1.62°F from 40 °C to 50 °C&lt;br&gt;± 0.5 °C/± 1.00°F from 5 °C to 40 °C&lt;br&gt;± 1.1 °C/± 1.98 °F from -20 °C to 5 °C</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>10 % to 90 % RH non-condensing</td>
<td>1 %</td>
<td>± 2 % RH [10 % RH to 90 % RH]</td>
</tr>
<tr>
<td>Air velocity</td>
<td>0.50 fpm to 3000 fpm&lt;br&gt;0.25 m/sec to 15 m/sec</td>
<td>1 fpm (0.005m/sec)</td>
<td>± 4 % or 4 fpm*&lt;br&gt;± 4 % or 0.02 m/sec* whichever is greater&lt;br&gt;*Accuracy specification only valid for velocity readings above 50 fpm.</td>
</tr>
<tr>
<td>CO₂</td>
<td>0 to 5000 ppm</td>
<td>1 ppm</td>
<td>Warm up time 1 min (5 minutes for full specification) 2.75 % + 75 ppm</td>
</tr>
<tr>
<td>CO</td>
<td>0 to 500 ppm</td>
<td>1 ppm</td>
<td>± 5 % or ± 3 ppm, whichever is greater, @ 20 °C and 50 % RH</td>
</tr>
<tr>
<td><strong>Calculated specifications</strong></td>
<td></td>
<td></td>
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<tr>
<td>Dew point temperature</td>
<td>-44 °C to 50 °C&lt;br&gt;(-47 °F to 122 °F)</td>
<td>0.1 °C (0.1 °F)</td>
<td>± 1 °C when temp: -20 °C to 50 °C RH: 40 % to 90 %&lt;br&gt;± 2 °C when temp: -20 °C to 50 °C RH: 20 % to 40 %&lt;br&gt;± 4 °C when RH: 10 % to 20 %</td>
</tr>
<tr>
<td>Wet bulb temperature</td>
<td>-16 °C to 50 °C&lt;br&gt;(3 °F to 122 °F)</td>
<td>0.1 °C (0.1 °F)</td>
<td>± 1.2 °C when RH: 20 % to 90 % temp: -20 °C to 50 °C&lt;br&gt;± 2.1 °C when RH: 10 % to 20 %</td>
</tr>
<tr>
<td>Volume flow rate (in a duct)</td>
<td>0 to 3,965 M³/min&lt;br&gt;(0 to 140,000 cfm)</td>
<td>0.001 M³/min [1 cfm]</td>
<td>N/A: The volume flow calculation will be a simple average of the data points times the duct area</td>
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<tr>
<td>% outside air (based on temperature)</td>
<td>0 to 100 %</td>
<td>0.1 %</td>
<td>N/A</td>
</tr>
<tr>
<td>% outside air (based on CO₂)</td>
<td>0 to 100 %</td>
<td>0.1 %</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>General specifications</strong></td>
<td></td>
<td></td>
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<tr>
<td>Operating temperature: CO and CO₂ sensors</td>
<td>-20 °C to 50 °C&lt;br&gt;(-4 °F to 122 °F)</td>
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<tr>
<td>Operating temperature: All other functions</td>
<td>-20 °C to 50 °C&lt;br&gt;(-4 °F to 122 °F)</td>
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<tr>
<td>Storage temperature</td>
<td>-20 °C to 50 °C&lt;br&gt;(-4 °F to 122 °F)</td>
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<tr>
<td>Humidity</td>
<td>10 % to 90 % (non-condensing)</td>
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<tr>
<td>Altitude</td>
<td>Up to 2000 m (6562 ft)</td>
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<tr>
<td>Shock and vibration</td>
<td>MIL-PRF-28800F: Class 2</td>
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<tr>
<td>Multi-language interface</td>
<td>English, French, Spanish, Portuguese and German</td>
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<tr>
<td>Battery</td>
<td>Rechargeable Li-Ion (primary), three-AA (backup)</td>
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<tr>
<td>Data logging</td>
<td>25,000 records (continuous), 99 records (discrete)</td>
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<tr>
<td>Warranty</td>
<td>Two-years</td>
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### Ordering Information

**Fluke-975 AirMeter™:**

- **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)

**Optional accessories:**

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

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