Model RVA501
Model RVA501 is a handheld digital Rotating Vane Anemometer used for air velocity and volumetric flow measurements.

Model RVA801
Model RVA801 is a lightweight, robust, and simple to use Rotating Vane Anemometer that provides accurate and reliable readings every time. Ideal for HVAC commissioning at grilles, filters, and kitchen exhausts; the RVA801 displays readings in metric or imperial mode.

Features and Benefits (Model RVA801)
+ Reversible 4-in. (100-mm) head allows readings at supply and exhaust grills
+ Calculates volumetric flow rate
+ Compatible with Aircone Flow Hoods
+ No density correction factors required
+ Automatic averaging of air velocity

Features and Benefits (Model RVA501)
+ Measures velocity and temperature
+ Calculates flow
+ Simultaneous display of up to three measurements
+ Log, store, and recall data
+ Download data to a PC
+ Optional telescopic probe available
+ Compatible with Aircone Flow Hoods
SPECIFICATIONS

ROTATING VANE ANEMOMETERS MODELS RVA501 AND RVA801

Velocity
Range 50 to 6,000 ft/min (0.25 to 30 m/s)
Accuracy ±1.0% of reading ±4 ft/min (±0.02 m/s)

Area Size Input
Range RVA501 0 to 500 ft² (0 to 46.45 m²)
RVA801 0.043 to 900 ft² (0.00399 to 90 m²)

Volumetric Flow Rate
Range Actual range is a function of velocity and area

Temperature
Range 40 to 113°F (5 to 45°C)
Accuracy ±2.0°F (±1.0°C)
Resolution RVA501 0.1°F (0.1°C)
Resolution RVA801 1°F (0.1°C)

Instrument Temperature Range
Operating (Electronics) 40 to 113°F (5 to 45°C)
Storage -4 to 140°F (-20 to 60°C)

Data Storage Capabilities (RVA501 only)
Range 12,700+ samples and 100 test IDs

Logging Interval (RVA501 only)
From 1 second to 1 hour

Time Constant (RVA501 only)
User selectable

External Meter Dimensions
RVA501 3.3 in. x 7.0 in. x 1.8 in.
(8.4 cm x 17.8 cm x 4.4 cm)
RVA801 4.5 in. x 11 in. x 2.6 in.
(1.2 cm x 28 cm x 6.5 cm)

Meter Weight with Batteries
RVA801 11.6 oz. (329 g)
RVA501 0.6 lbs. (0.27 kg)

Power Requirements
RVA801 9-volt battery
RVA501 Four AA-size batteries or AC adapter

AIRCON FLOW HOODS

Aircone Flow Hoods are a fast and accurate method of maximizing the usefulness of your 4-in. (100 mm) rotating vane anemometers. For a modest investment, you can enhance the capability of your rotating vane, turning it into an air volume flow balancing tool.

Features and Benefits
+ Rectangular and circular cones available
+ Measures volumetric flow at small grilles and diffusers
+ Reads air volume quickly and accurately

Specifications
Aircone Flow Hoods (P/N 801750)

Range (with RVA501 or RVA801) 0 to 210 cfm (0 to 100 l/s, 0 to 360 m³/h)

Size
Rectangular Hood 11.2 in. x 9.2 in. (285 mm x 235 mm)
Round Hood 7.1 in. (180 mm) diameter

Weight (includes case) 2.4 lbs (1.1 kg)

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<tr>
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<th>RVA801</th>
<th>RVA501</th>
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<tbody>
<tr>
<td>Temperature</td>
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<td>Velocity</td>
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<td>4-in. (100-mm) reversible head</td>
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<td>Flow</td>
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<td>Telescoping handle (optional)</td>
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<td>Data logging, recall, review, download</td>
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<tr>
<td>Use with Aircone flow hoods</td>
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<td>Certificate of Calibration</td>
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