Air Flow Solutions

Instruments
Air flow and velocity measurement
Why measure airflow?

The Domestic Ventilation Compliance Guide 2010 requires measurement of fans and ventilation systems to a regulatory standard of installed performance. The Airflow vane anemometer provides this function.
Instrument Solutions

LCA301 anemometer kit

Key Features

- UKAS certificate of calibration
- Compliant to testing requirements of Domestic Ventilation Compliance Guide 2010
- Aerodynamic design
- Volume flow in m³/hr or l/sec
- Self sealing for leak tight readings
- Tough ABS to take on-site knocks
- 2 year warranty

LCA301

The LCA301 Vane Anemometer kits enables on-site measurement to be taken and air volumes calculated for balancing and commissioning ventilation systems, compliant to the testing requirements of the Domestic Ventilation Compliance Guide 2010.

Applications

- Hand held air flow / volume measurements
- Read on-site at grilles and air valves
- Supply or extract
- Displays flow, l/sec, m³/hr or velocity m/sec
- Supplied with 285 x 235 Aircone
- Case, battery and UKAS certificate of calibration included (renewal of certificate required by a UKAS certified test house annually).

Specifications

Simple one handed operation and a large clear LCD ensures that velocity or volume flow reading of air measurement is quick, reliable and accurate.

Supplied with the LCA301 is a 285 x 235 Aircone to attach to the vane sensor. Aircone flow hoods are a quick method to maximise the usefulness of the airflow Anemometer.

Operation

The LCA301 has a single push button control in the hand grip. When the button is pushed and held down the instrument averages the air velocity every 3 seconds up to 12 minutes duration with the average reading shown on the LCD.

Operation with Aircone

Using the Aircone is simplicity itself. Just clip your instrument into the collar of the hood with the sensor pointed into the direction of flow i.e. the unit or air valve for extract or supply.

Aircone Benefits

- Converts instruments into a flow meter
- Proportional balancing
- Commissioning made easy
- Ductable for extract supply grilles and air valves
- Lightweight kit with carry case

Anemometer Features

- Aerodynamic design
- Volume flow in m³/hr and l/sec
- Tough ABS construction for knocks on-site
- UKAS certificate of calibration

Specifications

<table>
<thead>
<tr>
<th>Function</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Velocity range</td>
<td>0.25 to 30 m/s (50 to 6000 ft/min)</td>
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<tr>
<td>Velocity accuracy</td>
<td>±1.0% of reading ±0.02 m/s (±4 ft/min)</td>
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<tr>
<td>Duct size</td>
<td>0.00399 - 90 m² (0.043 - 173.6 ft²)</td>
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<td>Temperature range</td>
<td>0 to 60°C (32 to 140°F)</td>
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<td>Accuracy</td>
<td>±1.0°C (±2.0°F)</td>
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<tr>
<td>Resolution</td>
<td>0.1°C (0.1°F)</td>
</tr>
<tr>
<td>Instrument temperature range operating</td>
<td>0 to 60°C (32 to 140°F)</td>
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<td>-10 to 60°C (14 to 113°F)</td>
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<td>Operating (electronics)</td>
<td>5 to 45°C (40 to 113°C)</td>
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<td>Operating (Vane Head)</td>
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Always Innovating

Our constant search for new and better ways to save energy, improve the indoor environment and provide you with high quality, reliable and easy to use products that contribute to a low carbon future continues.

visit: airflow.com

for the latest, products, data sheets, application advice and information

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