Air Flow Solutions

Instruments
Air flow and velocity measurement, temperature and humidity data logger

AIRFLOW
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.

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.

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.

LOG32 TH

The Airflow LOG32 TH is a portable battery operated Data Logger. Designed for diagnostic analysis of environmental conditions in commercial, production, laboratories, agriculture or any temperature and humidity critical application.

Powered by a long life Lithium battery it is suitable for recording, alarm tracking and display of air temperature, humidity and dew point. An integral USB port enables direct connection to any compatible device where the Windows software (supplied) can be uploaded.

A flashing green LED indicates data recording, while a red LED indicates an adjustable user set point has been exceeded. The logger also has an internal buzzer to support user set alarm conditions.

Part No. | Product Description | Function | Parameter
---|---|---|---
90000536 | LOG32 TH Data Logger | Memory storage (total) | 32,000 values
90000536 | LOG32 TH Data Logger | Temperature | 16,000 values
90000536 | LOG32 TH Data Logger | Humidity | 16,000 values
90000536 | LOG32 TH Data Logger | Measuring range – temperature | - 35° to 70°
90000536 | LOG32 TH Data Logger | Accuracy | ± 1°C (-10° to 40°C)
90000536 | LOG32 TH Data Logger | Measuring range – humidity | 0 to 100 RH%
90000536 | LOG32 TH Data Logger | Accuracy | ± 3% RH (40% to 60%)
90000536 | LOG32 TH Data Logger | Accuracy | ± 3.5% RH (20% to 40%)
90000536 | LOG32 TH Data Logger | Accuracy | ± 3.5% RH (60% to 80%)
90000536 | LOG32 TH Data Logger | Interface | USB (Integrated)
90000536 | LOG32 TH Data Logger | Housing | ABS
90000536 | LOG32 TH Data Logger | Dimensions | 98 x 25 x 20 mm
90000536 | LOG32 TH Data Logger | Weight | 70 g
90000536 | LOG32 TH Data Logger | Battery | 1 x 3.6v Lithium AA battery

### LCA301

<table>
<thead>
<tr>
<th>Function</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Velocity range</td>
<td>0.25 to 30 m/s (50 to 6,000 ft/min)</td>
</tr>
<tr>
<td>Velocity accuracy</td>
<td>±1.0% of reading ±0.02 m/s (±4 ft/min)</td>
</tr>
<tr>
<td>Duct size</td>
<td>0.00399 - 90 m² (0.043 - 173.6 ft²)</td>
</tr>
<tr>
<td>Volumetric flow rate</td>
<td>Actual range is a function of velocity and duct area</td>
</tr>
<tr>
<td>Temperature range</td>
<td>0 to 60°C (32 to 140°F)</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±1.0°C (±2.0°F)</td>
</tr>
<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>
</tr>
</tbody>
</table>
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