

LCA301 ANEMOMETER KIT

Building Regulations Compliance Testing

The latest Building Regulations, Domestic Compliance Guide, effective from 1st October requires all new and refurbishment ventilation installations that are notifiable to Building Control, under the 2010 planning requirements should be commissioned on-site and a document submitted to the BCO within 5 days.

The **LCA301 Anemometer Kit** enables on-site measurements to be taken and air volumes calculated for reporting to building control.

Simple one handed operation and a large clear LCD ensures that velocity or volume flow reading of air measurement is quick, reliable and accurate. LCA301 operates with the advantage of the latest microchip technology with a variable time base constantly updating the average readings. This allows the user to traverse large grilles and ducts in one sweep and to have the average value displayed automatically, alternatively it can be used with an Aircone for "one-shot" measurements. Another advanced feature is the compensation factor built into each instrument to help overcome the friction of the bearings at lower velocities so ensuring even greater accuracy. All this is complemented by a self diagnostic function which can automatically test that the unit is functioning properly.

OPERATION:

The LCA301 has a single push-button control in the hand-grip. When this button is pressed 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.

The LCA301 has the facility to input the area of the duct or grille to be monitored and to give the resulting reading as volume flow in m³/hr or l/sec. The area is easily changed for each new application. When using the Aircone the appropriate factor (supplied) must be entered.

The lightweight casing is aerodynamically designed in high impact ABS.

Model: ANOMACK (LCA301 Kit)

Part No: 9000017

Model: ANOMSQC (Square Cone)

Part No: 9000018



Suitable for supply and extract grilles



- Hand held air flow measurement
- Read at Grilles and Air Valves
- Supply or extract
- Displays flow, l/sec, m³/hr or velocity, m/sec
- Supplied with 285 x 235mm Aircone
- Case, Battery and DKD certificate of calibration traceable to UKAS included.

LCA301 KIT



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

Commissioning and balancing of air volume flow is immediately possible at grilles, diffusers, and air valves. The hood is equally suitable for measuring ventilation flow rates for both extract and supply air.

Simply rotate the vane sensor 180° to point into the direction of flow. Manufactured in hard wearing ABS for the rigours of on-site use, is extremely lightweight allowing one man operation for long periods and one handed testing up ladders etc.

Both the instrument and the aircone is supplied in a protective carry-case.



FEATURES

- ★ Aerodynamic design for minimal resistance
- ★ Volume flow in m³/hr and l/sec
- ★ Self sealing for leak tight readings
- ★ Tough ABS to take knocks on-site.
- ★ DKD certificate of calibration traceable to UKAS

BENEFITS

- ✓ Converts 100mm Vane Anemometer into a flow meter
- ✓ Inexpensive commissioning
- ✓ Proportional balancing made really easy
- ✓ Suitable for extract and supply grilles and air valves
- ✓ Lightweight kit with carry-case

Using the Aircone is simplicity itself. Just clip your 100mm rotating vane into the collar of the hood with the sensor pointed into the direction of flow, i.e. for extract or supply.

Fit the rectangular hood over the inlet/outlet to be balanced and hold in place so that the flange creates a seal with the overall dimensions of the grille or diffuser under test. Where grilles are larger than the size of the rectangular hood it is suggested that the area is divided into equal areas, avoiding overlapping where possible, then a series of readings are taken to calculate total volume flow.

LCA301 KIT COMPRISES OF:

LCA301 Anemometer
 1 off Rectangular Aircone 285 x 235mm
 Protective carry-case
 DKD calibration certificate

OPTIONAL ACCESSORY:

Squarecone
 335 x 335mm



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