

LCA30VT, LCA6000RVT, LCA30VA Anemometers

The LCA range of hand held rotating vane anemometers offers a superb choice of models featuring automatic averaging of air velocity or readings of volume flow rate. Using the established 100mm rotating vane technology, accurate, reliable and comparable readings are achieved every time.

With an instrument to suit almost any application and budget, choose LCA, the exceptional range of rotating vane anemometers.

- LCA30VT

Variable time base averaging up to 12 minutes reading of air velocity

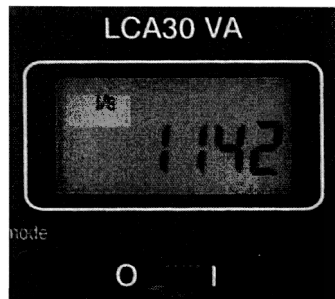
- LCA6000RVT

Reverse flow specifically calibrated in the range 0.25 to 5m/sec for laminar flow cabinets

- LCA30VA

Velocity or direct reading of volume flow with facility to directly input duct or grille area

- Metric and Imperial display.
- Averaged air velocity and volume flow version.
- Lightweight, robust and simple to use.
- Special low velocity version for COSHH and face velocity monitoring.
- Compatible with Aircone Flow Hoods
- Case and Calibration Certificate supplied
- Ideal for HVAC, commissioning at grilles, ducts and diffusers



SPECIFICATION

Information common to all LCA anemometers

Parameter	Metric Mode	Imperial Mode
Operating Environment	Barometric pressure 500mb to 2 bar Temp. -10°C to 50°C	Barometric pressure 15 in Hg to 60 in Hg Temp. 14°F to 122°F
Overall Dimensions	268mm x 113mm	10.55 in x 4.44 in
Instrument only	x 43mm deep	x 1.69 in deep
Weight less batteries	280g	0.62lb
Power supply	1 only 9V battery type PP3 or equivalent IEC ref 6F22 standard, alkaline or rechargeable NOTE: Zinc/Carbon only for use of iS version in hazardous areas	
Battery life	50 hours continuous life (alkaline batteries)	

Items specific to LCA30VT, LCA6000RVT, LCA30VA

Parameter	Metric Mode	Imperial Mode
Velocity range	0.25-30 m/sec	50-6000 ft/min
Maximum averaging time	12 minutes	12 minutes
Accuracy at 20°C and 1013 mbar	Calibrated better than ±1% of Reading ±1 Digit	

Items specific to LCA30VA

Parameter	Metric Mode	Imperial Mode
Volume range displayable	0.002-3000 m³/sec 1-999999 m³/hr 1-999999 l/sec	4,000-999999 cfm
Area input range	0.008-90.00 m²	0.08-900.0 ft²

Aircone Flow Hoods

Aircone and Squarecone flow hoods are a fast and accurate method maximising the usefulness of your Airflow™ 100mm (4") rotating vane anemometer. For a very modest investment, you can double the capability of your velocity instrument turning it into an air volume flow balancing tool as well.

Commissioning and balancing of air volume flow is immediately possible at grilles, diffusers, air valves and linears. The hoods are equally suitable for checking ventilation flow rates for both extract and supply air and manufactured in hard wearing ABS for the rigours of on-site use. All sizes are extremely lightweight allowing one man operation for long periods and one handed testing up ladders etc. when used with the appropriate anemometer.

Both aircones are supplied in a protective carry-case with flow curves for the fast conversion of meter readings into actual volume flow. The Squarecone is supplied in a protective carton with flow curves.

- Reads air volume quickly and accurately
- Flow curves tested to BS848
- Three sizes suit most supply and extract grilles
- Lightweight, tough construction for on-site use
- Save time and money on-site
- 'One hit' face velocity measurement
- Balance grilles, diffusers, linears, air valves, side entry grilles and filters

Use Aircone and Squarecone with these Airflow Instruments

AV6
AV6

LCA6000 (ALL VERSIONS)

LCA30

EDRA 5 & 6

DVA (ALL VERSIONS)

PROHOOD METER



Aircone shown with LCA (not supplied)

SPECIFICATION

PARAMETER SQUARECONE	RECTANGULAR HOOD	CIRCULAR HOOD	
Volume Range m ³ /sec	0-0.1	0-0.1	0-0.03
cfm	0-210	0-210	0-75
Flange Dimensions mm	265 x 235	180	335 x 935
Ins	11.2 x 9.2	7.1	13.2 x 13.2
Temperature Range °C	0 - 80°	0 - 80°	0 - 80°
°F	32 - 176°	32 - 176°	32 - 176°
Weight, inc carry-case	1.1 Kilos / 2.4 lbs.		1.4 kg / 3.2 lbs
Aircone kit comprises	1 off Rectangular Hood 1 off Circular Hood Protective carry-case Encapsulated calibration curves and fitting instructions	1 off Square Hood carton Encapsulated calibration curves	

Note: Aircones are not recommended for use above air (A1) velocity of 5 m/sec (1000 ft/min)



Aircones



Squarecone

www.airflow.com

AIRFLOW™

The Specialists in Air Movement Technology

Airflow Developments Limited, Lancaster Road, Cressex Business Park,
High Wycombe, Buckinghamshire HP12 3QP England
Telephone: (Int +44) (UK 0) 1494 525252, SALES LINE 0845 3330 1047,
Facsimile: (Int +44) (UK 0) 1494 461073
E-Mail: info@airflow.co.uk
Web Site: www.airflow.com

Airflow Lufttechnik GmbH,
Postfach 1208, D-53349 Rheinbach, Germany.
Telefon: 02226/9205-0, Telefax: 02226/9205-11

Airflow Technical Products Inc.,
P.O. Box 372, 219 Route 206, Andover NJ 07821, USA.
Telephone: 973-786-6386, Fax: 973-786-7586

Airflow Lufttechnik GmbH,
o.s. Praha, Hostýnská 520, 108 00 Praha 10 - Malešice, Czech republic.
Tel: 02 7477 2230, Fax No. 02 7477 2370



CERTIFICATE 152
ISO 9001

A1207/1103