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DATASHEET



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WHY BUY
WHEN YOU CAN HIRE



Rotating Vanes



Model LCA501

Model LCA301

Rotating Vane Anemometers Model LCA301

Model LCA301 is a light weight, robust, and simple to use Rotating Vane Anemometer that provides accurate and reliable readings every time. Ideal for HVAC commissioning at grilles, ducts, and diffusers; the LCA301 displays readings in metric or imperial mode.

Features and Benefits

- Reversible 100 mm head allows readings at supply and extract grilles
- Calculates volumetric flow rate
- Compatible with Aircone Flow Hoods
- No density correction factors required
- Automatic averaging of air velocity

Rotating Vane Anemometers Model LCA501

Model LCA501 is a hand held digital Rotating Vane Anemometer used for air velocity and volumetric flow measurements.

Features and Benefits

- Measures velocity and temperature
- Sweep mode for one overall measurement
- Log, store, and recall data
- Download data to a PC
- Optional telescopic probe available

Accurate. Reliable. Every Time.



Anemometers

Rotating Vane Anemometers

Models LCA301 and LCA501

Specifications

Models LCA301 and LCA501

Velocity

Range 0.25 to 30 m/s (50 to 6,000 ft/min)
Accuracy $\pm 1.0\%$ of reading or ± 0.02 m/s (± 4 ft/min.), whichever is greater

Duct Size

Range
LCA301 0.00399 - 90 m² (0.043 - 900 ft²)
LCA501 0 - 16 m² (0 - 173.6 ft²)

Volumetric Flow rate

Range Actual range is a function of velocity and duct area

Temperature

Range 0 to 60°C (32 to 140°F)
Accuracy $\pm 0.5^\circ\text{C}$ ($\pm 2^\circ\text{F}$)
Resolution 0.1°C (0.1°F)

Instrument Temperature Range

LCA301
Operating 0 to 60°C (32 to 140°F)
Storage -10 to 60°C (14 to 140°F)

LCA501

Operating (Electronics)
 5 to 45°C (40 to 113°F)

Operating (Vane Head)

0 to 60°C (32 to 140°F)
Storage -20 to 60°C (-4 to 140°F)

Data Storage Capabilities (LCA501 only)

Range 12,700+ samples and 100 test IDs

Logging Interval (LCA501 only)

From 1 second to 1 hour

Time Constant (LCA501 only)

User selectable

External Meter Dimensions:

LCA301 11.2 cm x 28 cm x 6.5 cm (4.5 in. x 11 in. x 2.6 in.)
LCA501 8.4 cm x 17.8 cm x 4.4 cm (3.3 in. x 7.0 in. x 1.8 in.)

Meter Weight with batteries:

LCA301 329 g (11.6 oz.)
LCA501 270 g (9.6 oz.)

Power Requirements:

LCA501 9-volt battery
LCA301 Four AA-size batteries or AC adapter

Aircone Flow Hoods

Aircone Flow Hoods are a fast and accurate method of maximizing the usefulness of your 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 grilles, diffusers, and linears
- Reads air volume quickly and accurately
- Excellent choice for small grilles



	LCA301	LCA501
Temperature	•	•
Velocity	•	•
100 mm reversible head	•	•
Flow, sweep mode	•	•
Telescoping handle (optional)		•
Data logging, recall, review, download		•
Use with Aircone flow hoods	•	•
Free Certificate of Calibration	•	•

Specifications subject to change without notice.

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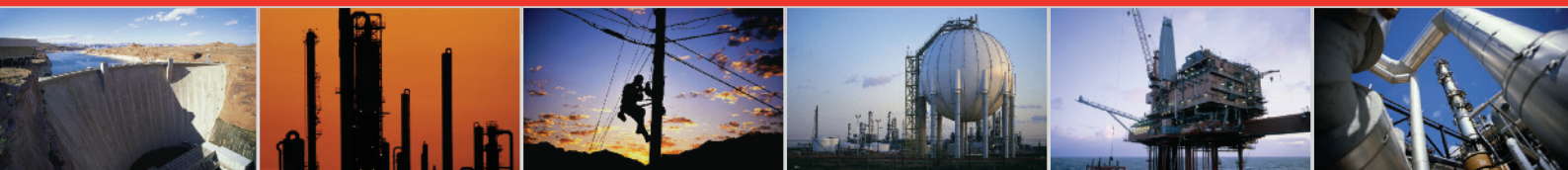
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We really do listen to you.

You won't waste your time contacting Inlec. Every request for equipment is logged and carefully considered. Listening to our customers helps keep our product range up to date and relevant. If you are unhappy about any aspect of our service please let us know so we can put it right.

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Inlec guarantee you real value for money. Our price match policy is simple - if you can hire the same product for less elsewhere, we guarantee to match that price and reduce it by a further 10% of the difference - and still deliver our industry leading technical and customer support.

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All equipment is thoroughly checked prior to dispatch to ensure you receive it in full, safe working order. Your shipment will be securely packed and include manufacturer's instructions, accessories or consumables and a valid calibration certificate where appropriate. In addition, Inlec offer a 24 hour replacement service if you decide the equipment is not suitable for your application*.

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Inlec are happy to provide you with free advice, from an unbeatable team of experienced, knowledgeable and friendly engineers and hire experts.

5 YOUR GUARANTEE OF THE BEST CUSTOMER SERVICE

Throughout your hire we will work hard to ensure you enjoy the very best in support and service from Inlec. We guarantee you won't find better service anywhere in the industry.

*subject to availability and conditions

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