Air Flow Solutions

Instruments
Air flow and velocity measurement, temperature and humidity data logger
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
- Velocity in m/sec
- Self sealing hood 285 x 235mm
- 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. 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.

Function Parameter
Velocity range 0.25 to 30 m/s (50 to 6.000 ft/min)
Velocity accuracy ±1.0% of reading ±0.02 m/s (±4 ft/min)
Duct size 0.00399 - 90 m² (0.043 - 173.6 ft²)
Volumetric flow rate Actual range is a function of velocity and duct area
Temperature range 0 to 60ºC (32 to 140ºF)
Accuracy ±1.0ºC (±2.0ºF)
Resolution 0.1ºC (0.1ºF)
Instrument temperature range operating 0 to 60ºC (32 to 140ºF)

LOG32 TH DATA LOGGER

Key Features
- Temperature and Humidity Logger
- Up to 32,000 value storage
- Analytical software supplied (Windows)
- Variable time sampling – 2 seconds to 24 hours
- Wall mounting bracket supplied
- LED mode indicators/buzzer alarm
- 1 year warranty

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.

Function Parameter
Memory storage (total) 32,000 values
Temperature 16,000 values
Humidity 16,000 values
Measuring range – temperature 0 to 100ºC
Accuracy ± 1ºC (-10º to 40ºC)
± 2ºC (41º to 70ºC)
Measuring range – humidity 0 to 100 RH
Accuracy ± 3% RH (40% to 60%)
± 3.5% RH (20% to 40%)
± 3.5% RH (60% to 80%)
Interface USB (integrated)
Housing ABS
Dimensions 98 x 25 x 20mm
Weight 70g
Battery 1 x 3.6v Lithium AA battery

Part No. Product Description
90000017 LCA301 Vane Anemometer Kit

Part No. Product Description
90000536 LOG32 TH Data Logger
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

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