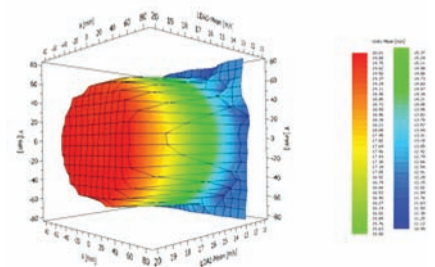


# Air Velocity Calibration

The UK's leading air velocity calibration wind tunnel providing high accuracy calibrations to the Meteorological, Building, HVAC and Environmental industry sectors. Offering the widest UKAS accredited air velocity range, coupled with a low measurement uncertainty, the wind tunnel facility provides quality performance results at cost effective prices. Our airflow laboratory is well equipped to fulfil these needs in a professional and prompt manner using the latest primary standard laser doppler anemometry (LDA) systems.

The LDA system can provide 1D and 2D velocity profiles in a matter of minutes using pre-defined test sequences coupled to an automated XY traverse mechanism. All types of anemometers and flow probes can be calibrated using the variable diameter open jet nozzle. A predominant uncertainty component is often attributed to anemometer blockage effects, and using the variable diameter nozzle system, these uncertainty components can be minimised.



Turnaround times within 24 hrs are available to customers with urgent requirements.

## Air Velocity Types & Applications

Vane Anemometers  
 Rotating Cup Anemometers  
 Ultrasonic Anemometers  
 Hot Wire & Thermal Anemometers  
 L, S, E Type Pitot Probes

CTA, 5 and 7 Hole Probes  
 MCERTS Emissions compliant  
 Wind Tunnel Calibration  
 Air Tightness Testing (ATTMA)  
 Laminar Fume Hoods

## Tunnel Specification

- UKAS ISO 17025 Accredited
- Open & Closed Test Sections
- Variable Diameter Nozzle
- UKAS 0.05 – 80 m/s
- Closed Tunnel 0.01 – 3 m/s



Whether you looking for a high accuracy accredited calibration or a quality system requirement for measurement traceability, the Young Calibration Wind Tunnel can provide the tailored performance and cost solution to suit your operational requirements.

The wind tunnel facility is presently one of the world's leading high accuracy air velocity facilities for the calibration of small vane, pitot and thermal anemometers. The facility is used for both general instrument calibration and for the calibration of transfer standard anemometers within accredited laboratories worldwide, under the ILAC recognition program.