

## ANEMOMETER CALIBRATIONS

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**Ecotech's NATA/ISO17025 accredited wind sensor calibration laboratory provides traceable calibrations for a wide range of wind speed and direction sensors.**

Our team of specialist technicians provides calibration services using our CSIRO designed and NATA accredited wind tunnel to industry, research and community organisations to ensure their instruments are accurately measuring wind speed and direction.

Ecotech can meet the needs of any organisation that needs to measure wind speed accurately.

Typical users of our service include:

- Environmental protection authorities
- HVAC industry
- Mining companies
- Construction companies
- Environmental researchers
- Wind energy organisations

We are able to calibrate all makes and models of conventional vane, hot wire, cup, propeller, ultrasonic and pitot tube anemometers.

### CALIBRATION TYPES

#### High speed test

Calibrations are performed in the range 0.30 to 30  $\text{ms}^{-1}$  with a measurement uncertainty of  $\pm 0.05 \text{ ms}^{-1}$  or  $\pm 1\%$  (whichever is greater) at a 95 % confidence level with a K coverage factor of 2 unless otherwise stated.

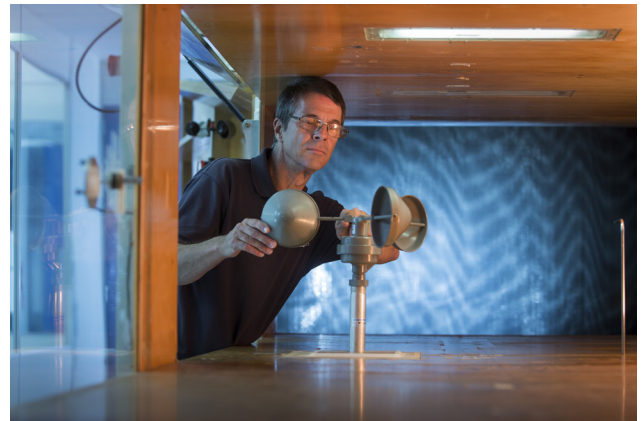
#### Low speed test

Calibrations are performed in the range 0.30 to 15  $\text{ms}^{-1}$  with a measurement uncertainty of  $\pm 0.05 \text{ ms}^{-1}$  or  $\pm 1\%$  (whichever is greater) at a 95 % confidence level with a K coverage factor of 2 unless otherwise stated.

A NATA calibration certificate and graph is supplied as part of the calibration. Low and high ranges can be tailored to suit customers requirements.

#### Wind direction test

Calibrations are performed using a rotary table at nominal wind speed of 6.0 m/s at each 30 degrees, with a measurement uncertainty of  $\pm 2$  degrees at a 95 % confidence level with a K coverage factor of 2 unless otherwise stated.



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## PRODUCTS & SERVICES

In addition to anemometer calibrations we provide a variety of products and services for wind energy and meteorological monitoring including:

### Supply & installation

- Wind sensing instruments/monitoring systems.
- Hot wire and vane type anemometers for the HVAC industry.
- Installation of wind and other meteorological sensors on towers.
- Engineered and certified met masts to 100 m.
- Advanced riggers for site work.

### Service & repair

Repair and/or replacement of wind instruments onsite.

### Reporting

- Daily data collection, flagging and verification services.
- Weekly site status reports.
- Monthly raw and processed data feeds.

### Communication

- 3G telecommunications network.

### Maintenance

- Routine maintenance and breakdown services.

### Sensors & data loggers

We also supply and service a wide range of sensors and data loggers including Vaisala, Met One, Vector, RM Young, Campbell Scientific, Riso, Kanomax and NRG Systems.

## ABOUT US

We operate the largest network of monitoring systems in the southern hemisphere and export to all parts of the world including Asia, North and South America, Africa and Europe.

With over 35 years' experience we have become one of the world's leading providers of environmental monitoring solutions.

As a supplier of choice, we provide customers with environmental monitoring solutions by:

- Offering complete solutions using the best available products and services aimed at exceeding our customers' requirements.
- Partnering with customers and suppliers to develop long-term and mutually beneficial relationships.
- Undertaking research and development to ensure continuous product, process and service innovation.
- Attracting and retaining passionate, knowledgeable and resourceful staff.
- Collaborating with industry, regulatory and community groups to develop standards, regulations and social awareness.
- Committing to safety, quality and the environment.



### Ecotech Pty Ltd

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