

## INTRODUCTION TO AEROQUAL

### Specialising in gas monitoring and control

Aeroqual's **innovative gas sensor products** empower professionals, product integrators and OEMs requiring accurate gas measurement and control.

Aeroqual prides itself in providing **tailored solutions** – from **simple monitors to complex networked systems** with fixed, portable and OEM products for safety, protection and process control applications.

#### Company Overview

Aeroqual is founded on years of gas sensor research and measurement excellence. Combining modern surface mount manufacturing technologies, rigorous calibration procedures and in-depth application knowledge, Aeroqual offers products with a true performance edge.

Smart measurement techniques and careful component selection form an integral part of Aeroqual's high quality measurement systems. Aeroqual's microprocessor controlled units provide measurement and analysis that you can rely on.

The Aeroqual concept of fully interchangeable sensor heads eliminates the need for field calibration (beyond a simple bump test) and provides users with near-scientific, analyser quality solutions. Factory calibration is precise and reliable.

Aeroqual prides itself in providing tailored solutions, fully integrated packages and excellent customer and after sales service. The company maintains a strong application focus to customize product for specific industry needs.

Aeroqual is constantly developing or improving its sensor range and options. High product performance stems from a fundamental understanding of sensor response and measurement science. We welcome the challenge of new measurement opportunities.

#### Technology Background

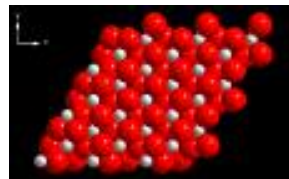
Aeroqual primarily uses Gas Sensitive Semi-Conductor (GSS) sensor technology because of their reliability, quick response, long life, wide operating temperatures and sensitivity. These advanced sensor materials have excellent humidity performance. Smart measurement techniques provide discrimination of target gases and automated correction of confounding factors such as cross-sensitivities and sensor drift.

#### Benefits of Aeroqual's Technology

##### Accuracy

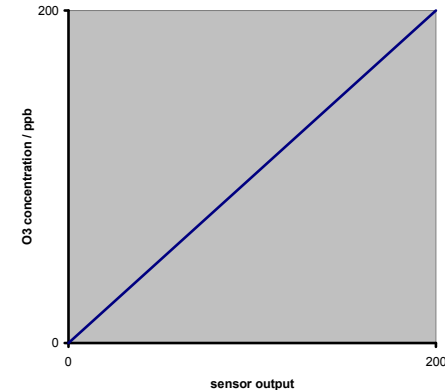
Aeroqual prides itself on sensor accuracy that is world leading. This is achieved through:

- Stable and sensitive sensor materials
- Active sampling mechanisms for reactive gases
- Rigorous calibration and verification to assure sensor performance
- Refurbishment sensor head programme which offers calibration at laboratory levels of accuracy as opposed to in field re-calibration with a risk of contamination.



#### Sensor Linearity

Aeroqual's sensors exhibit a linear response to gas concentration making them easy to use and reliable.



#### Lower total cost of ownership

Aeroqual's robust system design, easy install, low maintenance costs and easy sensor replacement drives lower ownership costs for you the Customer. Ask about the convenience of Aeroqual's sensor refurbishment program and forget about field calibration forever. Excellent technical support minimises training costs.

#### High levels of functionality

- Large, easy to read displays
- In-built sensor diagnostics
- Datalogging with easy data management and import into standard programs such as Excel
- Easy "plug and play" head replacement as standard on all monitors
- Flexible power power options
- Zero-maintenance fixed and portable units
- Full approvals including CE , UL . Ask Aeroqual for your requirements.

#### Lifetime of Sensor Heads

All electronic and mechanical components, including the sensor head, have a design life of 50,000 hours. Aeroqual products carry a one year warranty except the sensor heads which carry a 6 month warranty.

#### Sensor Head Calibration and Refurbishment Programme

Given the low cost of interchangeable sensor heads, customers are encouraged to leave calibration to Aeroqual. Aeroqual undertakes both recalibration or refurbishment/recalibration after sale service for all products. Factory calibration is precise and performed by gas measurement specialists. Talk to Aeroqual distributors or sales staff regarding bump testing and measurement validation procedures.

The price of a refurbished sensor head, ordered in batches of 10, is approximately 50% of the price of a new sensor head. The refurbished sensor performance will be equivalent to a new sensor.