



## UKAS Accredited Gas Detector Calibration and Testing

### Why is gas detector calibration necessary?

Most installed gas detectors and sensors are installed for a purpose. Typical applications include health and safety, personal protection, emissions monitoring and process control. It is vital therefore that detectors and sensors are regularly serviced and calibrated in order that devices and controls operate at pre-set and programmed levels. All gas detectors and sensors are comparative devices and are susceptible to drift which may result in an overestimation or underestimation of the true concentration indicated.

The frequency of routine calibration is determined by the manufacturer's recommendation or in-house quality procedures.



### Sira - Specialists in gas detector testing

Sira has been providing gas detector testing for over thirty years. Our laboratory can perform environmental testing in accordance with the standards below. We maintain two climatic chambers and a wind tunnel suitable for testing gas detection equipment.

The laboratory at Sira is accredited by UKAS to test to the following standards:

- BS EN 60079-29-1 flammable gas detectors
- BS EN 45544 toxic gas detectors
- BS EN 50194 domestic combustible gas detectors
- BS EN 50291 domestic carbon monoxide detectors

Sira also tests products that fall outside these standards, and has conducted testing on behalf of UK Trading Standards departments, the results of which are used in settling disputes.

### BSI Kitemark scheme for CO detectors

Sira is BSI's partner laboratory for the Kitemark scheme. Every domestic carbon monoxide detector sold in the UK with a Kitemark has been tested by Sira.



### Why choose Sira?

- The only **independent** facility in the UK for both UKAS calibration and testing of gas detectors
- **The commercial approach** - Sira has the experience and expertise to provide a premier service in terms of technical excellence and customer care, providing competitively priced services and quick turnarounds
- **Unique testing methods** - Sira has the facilities to generate the most common types of gas mixture to any concentration required - the only UK test laboratory to offer this facility

### Accreditation

Sira's gas detector testing and calibration services are accredited by UKAS.



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UKAS accreditation means that Sira has been assessed against international standards to demonstrate competence, traceability and performance capability.

### Contact us

To discuss a contract or to receive a quotation for our services, please contact us:

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