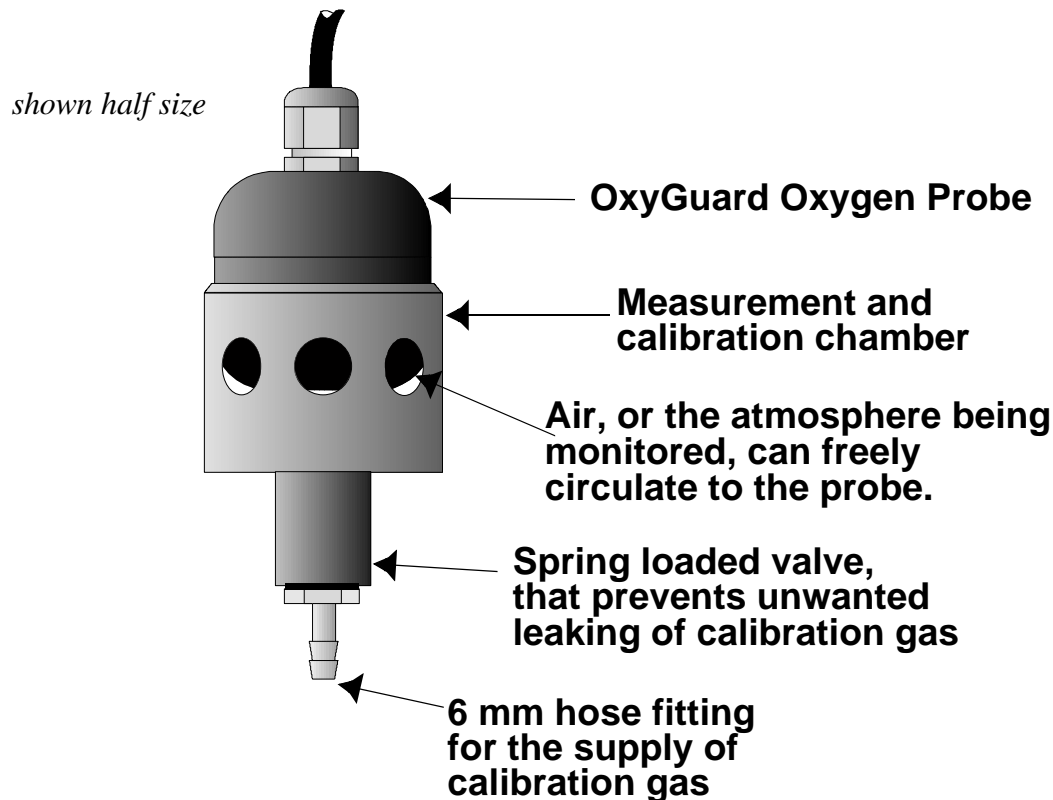


# OxyGuard Air Alarm

Oxygen Surveillance System for Air and Gas



The **OxyGuard AirAlarm** is a surveillance and warning system for monitoring the oxygen content of the ambient atmosphere in larger spaces where it is important that a certain oxygen content is maintained. There are several types of application:

To ensure that air is safe to breathe in places where the air is likely to contain some "foreign" gas (which could also be oxygen!)

As a surveillance unit to give warning of the undesired presence of other gases, e.g. due to leakage (this can be performed by monitoring the ventilation air outlet).

As a surveillance unit to monitor gases that must have a controlled, low, oxygen content, as for food storage atmosphere or blanket gas for petroleum products.

To monitor the composition of an oxygen/gas mixture.

Please note that the OxyGuard Gas Measurement Cell is found for monitoring the oxygen content of a piped gas. OxyGuard oxygen probes for gas measurement can also be mounted in a by-pass pipe or on a flange.

NB. A version of the OxyGuard probe with UL certification as "Simple Apparatus" is found for use in EX classified areas.

# Technical Information

## Technical Advantages

The **AirAlarm** consists of an **OxyGuard Oxygen Measurement Probe** in a special measurement and calibration chamber, as shown in the drawing overleaf. The **AirAlarm** is easy-to-use and accurate. The calibration gas connection is permanently established - just turn on the calibration gas flow to calibrate or check the system. A spring-loaded valve ensures that calibration gas cannot leak from the piping after calibration is finished. A calibration and/or check that can be relied on takes just a few minutes!

OxyGuard probes can measure correctly in air, i.e. at relatively high oxygen levels, for a very long period of time without the need for maintenance. This unsurpassed reliability makes the system exceptionally well suited to surveillance and safety purposes. A fault in the probe, e.g. due to lack of maintenance, will entail that the usual output signal will disappear and thus trigger alarm.

The output signal from the probe is connected to a suitable monitoring unit, such as an OxyGuard unit with fail-safe alarm functions.

The **AirAlarm** can also be fitted with a **Model 420** or **Model 840** probe. These are both 2-wire 4-20 mA probe/transmitters, i.e. units powered by the 4-20 mA measurement circuit itself.

## Specifications

Dimensions:	Diameter = 65 mm, height 160 mm with standard probe.
Calibration gas fitting:	6 mm hose fitting.
Material:	PVC. Other on request.
Supplied with wall-mount fitting.	

## Ordering Information

E011: AirAlarm measurement and calibration chamber.  
Probe and transmitter to be ordered separately.

Please see the separate brochures for the OxyGuard standard Probe, OxyGuard Model 420, OxyGuard Model 840, the OxyGuard 1 and OxyGuard Multi-Channel systems for details of probes and transmitters or monitoring/alarm units.