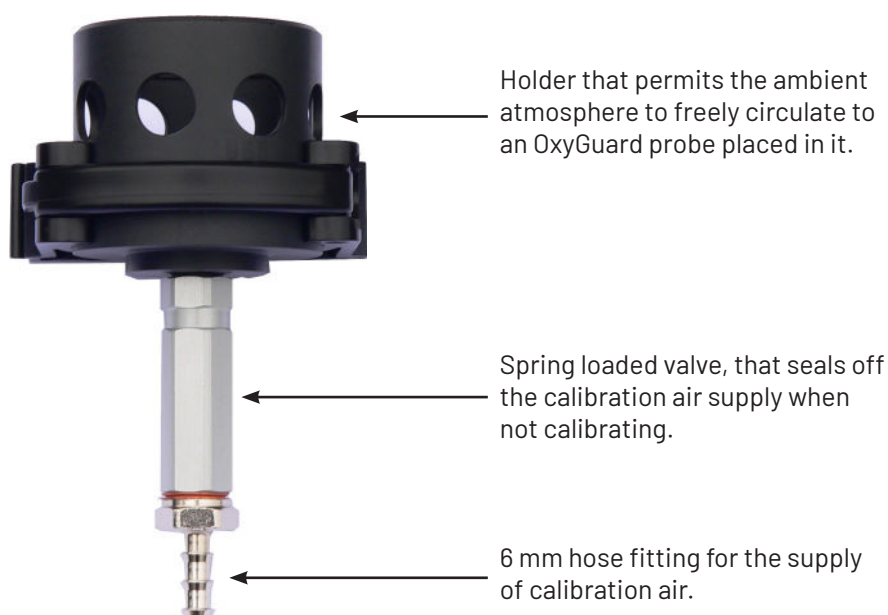




# Datasheet

AirAlarm  
Product no. E01



The OxyGuard AirAlarm is a probe holder for use where the oxygen content of the ambient atmosphere in larger spaces must be monitored. There are several types of application:

- To ensure that air is safe to breathe in places where other gas could escape into the room. Examples of this are places where nitrogen, oxygen or carbon dioxide are used.
- To determine when it is safe to enter rooms that have contained another gas.
- To ensure that the gas content in a storage room with special atmosphere does not contain unwanted levels of oxygen.

The Air Alarm has a spring loaded valve for calibration air so that clean compressed air can be led to the probe for calibration and function check. When the calibration air supply is depressurised the valve closes so that the probe again measures only the ambient atmosphere.

For monitoring the oxygen content of a piped gas the OxyGuard Gas Measurement Cell E02 or the by-pass probe holder D10CHBP should be used. Probes can also be flange-mounted for measurements in large diameter pipes.

Intended use

The AirAlarm is a special measurement and calibration chamber, as shown in the drawing overleaf. When used with an OxyGuard oxygen probe and transmitter, for example the OxyGuard Atlantic with probe, it provides an easy-to-use and accurate measuring, monitoring and warning system. 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. The timer functions of the Atlantic can be set up to control a magnetic valve in the calibration air supply enabling an automatic, periodic check of the probe function and calibration.

OxyGuard probes can measure correctly in clean air, i.e. at relatively high oxygen levels, for typically 3 years without the need for maintenance. This unsurpassed reliability makes the system exceptionally well suited for surveillance and safety purposes. When measuring in clean air a fault in the probe, e.g. due to lack of maintenance, will cause the usual output signal to drop and thus trigger alarm.

The AirAlarm can also be fitted with a Model 420 probe. This is a 2-wire 4-20 mA combined probe and transmitter, i.e. is powered by the 4-20 mA measurement circuit itself.

Technical specifications

|                         |                                                     |
|-------------------------|-----------------------------------------------------|
| Dimensions              | Diameter = 65 mm, height 210 mm with standard probe |
| Calibration gas fitting | 6 mm hose fitting                                   |
| Material                | PVC. Other on request                               |
| Other                   | Supplied with wall-mount fitting                    |

Order information / part numbers

|                                                                                                  |               |
|--------------------------------------------------------------------------------------------------|---------------|
| AirAlarm measurement and calibration chamber<br>(Probe and transmitter to be ordered separately) | Item no: E011 |
|--------------------------------------------------------------------------------------------------|---------------|

Please see the separate brochures for the OxyGuard standard Probe, OxyGuard Model 420, OxyGuard Atlantic and others for details of probes and transmitters or monitoring and alarm systems.



Data subject to change without notice; AirAlarm, no. E01 datasheet GB 2026 10