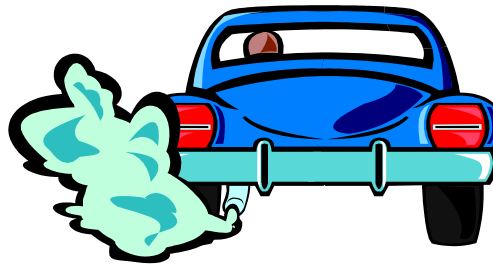


Car Park Gas Detection Maintenance Requirements

Car Park Gas Sensors (CO & NO₂) controlling Automatic Ventilation Systems/Fans



Gas Sensors must be tested properly using calibration gases and be calibrated / adjusted so that they can function as they were intended to.

Manufacturers state that sensors must be tested according to their specifications and the type of environment the sensors are exposed to i.e. residential or industrial installations, between **every 6 > 12 months** to maximise the life of the sensors and to ensure correct operation.

Have you tested your car park sensors recently? If not you may find that your **building is not compliant with its Building Warrant of Fitness requirements as per section 108 of the Building Act 2004**. Sensors must be tested in accordance with the manufacturers specifications to meet your compliance obligations.

Consequences (of not calibrating them)

- 1) Your Automatic Ventilation System does not function properly. This means
 - either your fans run too much or continuously and thereby wasting energy or
 - the fans do not run enough or at all; creating a health hazard for the building occupants and car park users due to potentially dangerous levels of CO or NO₂ (Carbon Monoxide for Petrol & Nitrogen Dioxide for Diesel vehicles)
- 2) Certificate of Compliance is not issued by the Licensed Building Practitioner (LBP), previously known until 30th Nov 2009 as a registered IQP (Independent Qualified Person). This means that the Building Warrant of Fitness cannot be signed off and is therefore in breach of the Building Act 2004.
- 3) The Building Owner/Manager is liable to prosecution by the Local Authority for Breach of the Building Act 2004.
- 4) Gas Sensors require regular maintenance to maximise cell life – if not, they die. Thus your investment made in the gas sensors / ventilation system is wasted.

Calibration Certificate

EUROTEC



What you should do?

No: **CC 09090311**

Date: **6th March 2009**

Put in place a scheduled maintenance & calibration contract with a competent & professional company such as Eurotec Ltd, and have peace of mind in the knowledge that your building(s) are safe and compliant with the relevant codes.

Model: **SCS-DCO-CO**

Customer Name: **XYZ Ltd**

What we do

Probe type

Type: **CO**

SN: **N/A**

- 1) We come on-site and service /calibrate all of your Gas sensors.
- 2) Manufacturer's recommended equipment and procedures are used & followed.
- 3) Findings/results are conveyed to you by documentation.
- 4) A calibration certificate is issued for each sensor for your records (copies to be attached to Certificate of Compliance issued by the LBP).
- 5) We keep all the data of your sensors (Manufacturer, model, serial numbers, date of calibrations, copy of calibration certificates etc.)
- 6) Our computer system generates Automatic Reminders for you so you do not have to remember future calibration dates.
- 7) We are suppliers of a range of gas sensors for Hazardous and Toxic gases and other HVAC, Refrigeration, Electrical & Instrumentation/Measurement products. You get comprehensive service under one roof.
- 8) We offer casual service rates and discounted rates for Scheduled Maintenance Contracts.

Certificate number [1]

Reference

Actual Value

Permissible deviation

Measurement Unit

CH.1 (Low)

50

50

±5% of mv

ppmCO

CH.1 (Hi)

100

101

±5% of mv

ppmCO

CH.2 (Hi)

100

102

±5% of mv

ppmCO

Final status:

Calibrated

Note: The validity of this calibration certificate is held for a period of 6 months from date of calibration, and represents the instruments readings at that date.

[1], [2] Traceable references

Calibrated by:

Verified by:

CC CO CETCIV1.B1

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