

Safe Operating Procedure Gas Detector

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We are located at:
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The instructions recommended within this document apply to normal risk conditions. If the Gas Detector is to be operated in a dangerous or hostile environment, the user/client is responsible for conducting an appropriate risk analysis and applying suitable controls to mitigate those additional risks.

This instruction should be read in conjunction with the Risk Assessment.

GENERAL SAFETY

- The equipment must be operated by qualified personnel only
- It is recommended that the detector is charged after every workday
- Check calibration sticker to make sure unit is in date prior to use
- Only the combustible gas detection portion of this instrument has been assessed for performance by CSA international
- The manufacturer recommends to bump test the sensors before each day's use to confirm their ability to respond to gas by exposing the detector to gas concentration that exceeds the alarm setpoints.
- Manually verify that audible and visual alarms are activated
- **CAUTION** : *High off scale readings may indicate an explosive concentration*
- Extended exposure to certain concentrations of combustible gasses may affect the detector elements. If an alarm occurs return unit immediately for calibration
- Protect the combustible sensor from exposure to lead compounds, silicones and chlorinated hydrocarbons
- When not in used store gas detector in provided weather proof storage container

INSPECTION AND MAINTENANCE

- Calibrate, bump test and inspect the detector on a regular basis
- Clean the exterior with a soft damp cloth. Do not use solvents, soaps or polishes
- Ensure charger is test tagged and in date

The above instructions must be followed at all times If any of the instructions are not possible, contact the site supervisor for an assessment of any safety requirements

Gas Detector Risk Assessment

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Likely Risk Issue	Who/ What may be harmed? (Specific Persons)	What is the Rate Level? (Rate risk as Low, Medium or High)	What Risk Control Actions Needs to Be Taken? (What needs to be considered so that the risks are identified and effectively controlled)	Time Frame
Suffocation or exposure to dangerous gasses	Participants Operators Spectators Staff	Severity of Risk (S)- 3 Likelihood of Risk (L)- 2 Overall Risk (S x L)= 6 MEDIUM	<ul style="list-style-type: none"> • Ensure gas detector is suitable for relevant application • Double check the calibration sticker prior to use to ensure unit is calibrated • Operator to be familiar with alarms, sensors etc prior to use • Maintain an operations log of all maintenance, bumps tests and alarm events • Ensure detector is charged and ready prior to use 	Every Hire

Calculation of Risk Evaluation

Severity of Risk (S) is judged by evaluating the effects of the hazard if the risk occurs. This is evaluated as Minor = 1, Major = 2, Serious = 3

Risk Likelihood (L) - The likelihood of the harm occurring is evaluated on the basis of: Unlikely =1, Possible = 2, Likely = 3

Overall Risk is calculated by multiplying the figure for Severity (S) and Likelihood (L).

The overall risk figure calculated is related to the Risk Level of either Low: 1 to 3; Medium: 4 to 6 or High: 7 to 9

NB This is a generic risk assessment only. It is advisable to carry out a site-specific assessment prior to using this equipment.