

Combustible Gas Detectors

Combustible gas detectors detect the presence of flammable vapors and gases and warn when concentrations in air approach the explosive range. FM Approved detectors, portable and fixed, may have specified hazardous location suitability.

Many gas detectors use either infrared or a catalytic sensor, while others use semiconductors or a temperature sensitive resistor in a flame which burns the gas. The material either reaches the sensor by molecular diffusion or is drawn through tubing to the sensor.

The material to be detected must be known and the instrument must be calibrated with that particular material. Where an instrument is to be used for detecting more than one material, calibration curves are provided for the materials other than that for which it has been calibrated. Low readings may result when a sample is taken from heated areas and part of the vapors condense out before reaching the sensor.

Unless otherwise indicated, these units are not FM Approved for use in temperatures in excess of 104°F (40°C) or below 32°F (0°C). Diffusion sampling is not recommended where the air has excessive moisture or dust, or where air movement would prevent a representative sample from reaching the sensor. Manufacturer's instructions should be consulted as to materials and environmental conditions which may affect the functional performance of the instrument.

Combustible Gas Detectors, Fixed

Fixed combustible gas detectors indicate concentrations over the range of 0 to 100% of the lower explosive limit. They may be arranged to provide an audible or visual alarm or to control other equipment. Unless otherwise specified, sensors are to be installed indoors or in areas protected from rain, snow and sleet.

Once installed, a high standard of maintenance by properly trained personnel is required, and the equipment should be checked per the manufacturer's instructions and the requirements of the particular application. A maintenance contract with the manufacturer is recommended.

Models 610, 610A

Model 610 and 610A. Four channel combustible gas detection system. Consists of standard monitor P/N 610 or 610A (four channel) for mounting in unclassified locations; combustible sensor P/N 10001-1, P/N 10058-1 and sensor housing (P/N 10252) suitable for use in Class I, Division 1, Groups B, C and D hazardous locations. Approval covers use of the instrument when combustible's calibration is performed using the gas to be monitored and the combustible gas alarm is preset within 10% LFL of the calibration gas concentration.

Special Conditions:

1. Shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.

Company Name:	General Monitors Inc
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Company Website:	http://www.generalmonitors.com
New/Updated Product Listing:	No
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