

autofim II

Intrinsically safe detector for hydrocarbon gases



Monitoring gases in confined and potentially explosive situations has become increasingly important particularly in the wake of new environmental legislation.

Autofim II and Autofim II GC give you the flexibility and confidence you need to detect, measure and analyse hydrocarbon gases in virtually any hazardous location from petrochemical plants and gas works to landfill sites. These versatile products cover a wide range of applications including: volatile organic compound monitoring, fugitive emissions, process control, gas leak surveying, contaminated land and landfill sites.

Supported by one of the leading names in gas detection, with over 25 years experience, these two detectors are fast, accurate, reliable and, most importantly, intrinsically safe.

Intrinsically safe

To safely detect gas in hazardous areas, it is essential your equipment is certified as intrinsically safe.

Autofim II and Autofim II GC have been designed so you can be confident that staff and plant are fully protected.

Reliable, fast and highly sensitive

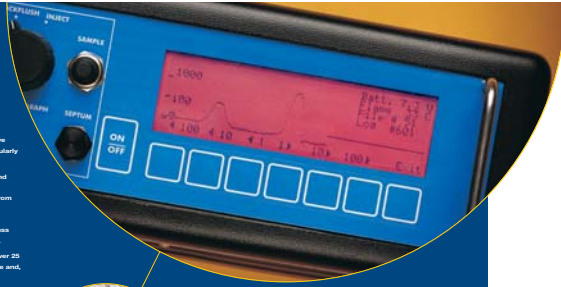
The Autofim range has been engineered to provide outstanding stability. So you can always rely on the results without the need for weekly re-calibration.

To locate leaks quickly and safely your detector must react rapidly and accurately. The flame ionisation detector ensures a rapid response within 2 seconds. Expanded scales allow you to detect and measure gases with pinpoint accuracy even at the lowest levels.

Simple to use

Autofim is easy to use with the operator being guided by user-friendly, menu-driven software.

For maximum clarity the signal is displayed in both digital and analogue formats plus a versatile pitch audible output. Furthermore, the audible signal can be set only to trigger above an adjustable alarm level.



The system can operate for over 40 hours without changing the batteries or cylinders. However, replacement of these in the field is a simple operation for remote or extended use.

Easy to read in the dark

The backlit display allows you to take readings in tunnels, basements and other dark spaces without the need for additional lighting.

Unlimited measurement range

Autofim covers the full range of measurement from 0 to 10,000 ppm in a convenient range of scales. The optional range extender/diluter allows measurements above 10,000 ppm as well as from oxygen depleted atmospheres.

Light, portable and robust

Weighing just over 4 kilos Autofim is truly portable.

autofim II GC

for gas detection and analysis

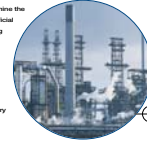
Autofim II GC, with in-built gas chromatography, can not only detect gas with all the benefits of Autofim II but can also determine its composition on-site.

There are many situations where it is necessary to determine the exact nature of the detected gas. Analysis is highly beneficial for compliance monitoring and essential for differentiating between natural gas and other hydrocarbons.

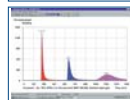
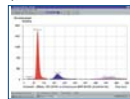
Autofim II GC displays the chromatograph immediately, avoiding the delay and cost of laboratory analysis.

Versatile

Having detected gas, a sample is stored in a holding loop. This can be analysed immediately or later, if more convenient. After analysis the GC data is stored in memory for subsequent reference.



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Wide range of gases

A series of high-resolution, chromatography columns are available, tailored to most applications including VOCs, natural gas, petrol vapours, and landfill emissions.

These can be easily interchanged, by the user, to address a variety of different site emissions.

Detailed analysis

Data can be downloaded to an external PC for further analysis and presentation.

The integral software package, specifically designed for Autofim, analyses the data and displays a range of parameters including: retention times, peak identification, peak areas, methanol/ethane ratios and relative concentrations. Graphical and tabular formats are available.

The overlay facility allows comparisons between your sample trace and a library of reference chromatograms.