

## GASCLAM



Gasclam is a gas monitor that fits inside standard 50mm boreholes, is intrinsically safe, environmentally sealed (IP-68) and robustly constructed from stainless steel. It measures and records, at user-defined intervals, the following:

- Volatile organic carbon
- Methane
- Carbon dioxide
- Oxygen
- Carbon monoxide, hydrogen sulphide
- atmospheric and borehole pressure
- Borehole water depth (optional)

Powered by two standard alkaline D-cells the Gasclam will operate unmanned for 1-3 months dependent on sampling interval.

In addition to monitoring, because Gasclam fits inside and seals the borehole, it can also vent the borehole to atmosphere at user defined intervals. Gasclam is set up and downloaded via a PC, **intrinsically safe GPRS telemetry for downloading and alarming is available**. These new monitoring capabilities allow immediate cost savings but also allow improved understanding of the relationship between ground gas movement and measurements made in boreholes.

## PHOCHECK TIGER HANDHELD VOC GAS DETECTOR

The PhoCheck Tiger VOC detector is a revolutionary hand held PID instrument for rapid, accurate detection of volatile organic compounds (VOCs). Its photoionisation detection (PID) capabilities utilise advanced patented Fence Electrode technology, a 3 electrode format with increased resistance to humidity and contamination.

A robust hand held VOC detector, PhoCheck Tiger provides a dynamic detection range of 1 parts per billion (ppb) to 20,000 parts per million (ppm), offering the widest measurement range of any other VOC detector on the market.

Ready to use straight out of the box, the PhoCheck Tiger VOC detector requires no complex set up procedures via a PC to perform basic functions and provides the best available VOC detection and software features available.



**Contact EHS Instrument Solutions for information, demonstration, rental or service, training or consulting.**

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## FIELD PORTABLE INSTRUMENTS FOR THE ENVIRONMENTAL MARKET



## HAPSITE ER CHEMICAL IDENTIFICATION SYSTEM

**The Only Person-Portable GC/MS That Identifies VOCs and SVOCs Quick, Easy, Accurate On-Site Performance.**

The new HAPSITE ER is the only person-portable Gas Chromatograph/Mass Spectrometer (GC/MS) that requires minimal training to deliver qualitative and quantitative lab-quality results in the field, in less than 10 minutes. In fact, all the operator has to do is push a button to begin identifying and quantifying volatile organic compounds (VOCs), toxic industrial chemicals (TICs), toxic industrial materials (TIMs), chemical warfare agents (CWAs), and select semi-volatile organic compounds (SVOCs). HAPSITE ER has the capability to identify analytes in the PPM (parts per million) - PPT (parts per trillion) range. The GC column provides sharp chromatography and excellent resolution. During the quantitation method, the front panel clearly displays what chemicals are present, their concentration, and access to information regarding the degree of danger - to help make quick decisions affecting life, health, and safety.

### FEATURES AT A GLANCE

- Fast, confirmatory results in the field directly comparable to laboratory GC/MS data
- Pre-programmed methods to obtain quality data in minutes with a few simple key-strokes
- Universal interface allows for accessory expansion without a hardware change to HAPSITE
- Visual confirmation of correct probe placement for optimum sample collection
- Clear, color indicators of sample identity and level of danger
- Simple operation for even basic skill levels with minimal training



## 3000 MICRO GC GAS ANALYZER

**Small, Fast, Accurate — Where You Need It**

The INFICON 3000 Micro GC Gas Analyzer is a powerful GC solution that provides fast, accurate, reliable analysis of your gas sample on-line, right at the sampling point. It is ideal for the rapid analysis of gas streams in alternative energy, coal mine safety, and the hydro-carbon processing industry, which includes refineries, natural gas production and distribution, chemical operations, and oil and gas exploration. Its rugged construction ensures long-term, trouble-free operation. And with its modular design, reconfiguration and repair can be easily and quickly accomplished by interchanging Micro GC modules, keeping you in control of your gas analysis and your process.



## PETROSENSE® PHA-100

**Portable Hydrocarbon Analyser for Analysis of Hydrocarbons in Water and Vapour**

World's first patented fibre optic chemical sensor built into a portable analyser, it is now possible to measure ppm levels of petroleum hydrocarbons *in-situ*. That is to say, in ground water via a sampling well, at the interface and in the vapour above the water.



## CMS5000 UNATTENDED VOC MONITORING SYSTEM

The CMS5000 Monitoring System is a self-contained system utilizing GC (Gas Chromatograph) technology for continuous, unattended remote monitoring of air or water.

CMS5000 performs complex analyses during environmental remediation. The programmable CMS IQ software allows you to manage the sample collection and analysis sequence, or you can simply use one of the included default methods. The analytical data is representative of actual conditions at the time of sampling - providing the answers you need to make better and faster decisions about environmental issues. Concentrations can be accurately measured and reported in minutes. Designed as a stationary instrument, the CMS5000 is ideal for long-term VOC monitoring, with minimal operator intervention required.

### FEATURES AT A GLANCE

- Continuous, unattended monitoring using on-board default methods
- Robust, reliable design minimizes consumable use
- Fast, simple start-up with minimal training required
- Low maintenance
- CMS IQ software
- Communication integration

