



## FROG-5000

### PORTABLE MICRO GAS CHROMATOGRAPH



## THE WORLD'S FIRST COMMERCIAL MEMS GC AND MEMS PC

The FROG-5000™ can detect volatile organic compounds (VOCs) in air, water, and soil, delivering lab-quality results in less than 10 minutes. It is the only portable gas chromatograph that weighs less than 5lbs (2.2kgs).

The FROG-5000™ portable GC will detect chemicals as volatile as vinyl chloride in addition to semi-volatile organic compounds such as naphthalene. It can detect VOCs at sub-part-per-billion levels or at high part-per-million levels depending on its configuration.

FROG operators use it to determine trace amounts of suspected chemical contaminants without waiting for results from an offsite lab. Within ten minutes you'll have an answer in the field and you'll know how your cleanup is progressing. The FROG can help you correct the job and fix it on the spot!

### FEATURES

- Chemical identification and concentration in under 10 minutes
- VOC detection in air, water or soil
- Highly portable micro-GC technology makes FROG-5000 smaller than a laptop computer
- No specialty gases required - never runs out of carrier gas in the field
- Real time display of results
- Removable micro-SD card for fast data transfer

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# FROG-5000

## Get Lab-Quality Results In the Field or In the Lab

With Gas, Liquid or Soil Samples the FROG-5000 can detect volatile organic compounds in air, water, and soil, delivering lab-quality results in less than 10 minutes.

With a portable size and weighing less than 5 pounds, the FROG-5000 gas chromatograph GC gives environmental scientists and other analysts the power to make quick decisions in the field based on accurate data. It can detect VOCs at sub-part-per-billion levels or at high part-per-million levels, depending on its configuration.

### AIR



The FROG portable gas chromatograph can detect volatile organic compounds (VOCs) in air, delivering lab-quality results in less than 10 minutes.

### WATER



The FROG can detect volatile organic compounds in water as well. Water samples can be run onsite to reduce shipping and laboratory costs.

### SOIL



The FROG can also analyze soil samples onsite, detecting volatile organic compounds in soils down to part-per-billion level concentrations.

## Chemicals Commonly Detected by the FROG

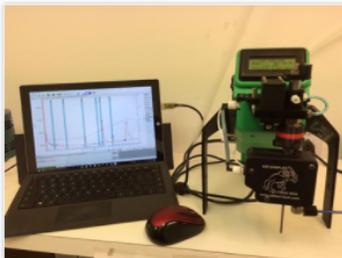
- ✓ Benzene
- ✓ Toluene
- ✓ Ethylbenzene
- ✓ Xylenes
- ✓ Vinyl Chloride
- ✓ trans-1,2-Dichloroethene
- ✓ cis-1,2-Dichloroethene
- ✓ Trichloroethene (TCE)
- ✓ Tetrachloroethene (PCE)
- ✓ Naphthalene
- ✓ The FROG™ can also detect many other solvents

### IN THE FIELD



The FROG Portable GC is rugged enough to be used at the job site while attached to a computer or stand alone with results appearing on the display.

### IN A LABORATORY



Use the FROG Portable GC to save bench space and get results faster with shorter cleanup time. Save your big mass spec from wicked high samples too.

### AT REMEDIATION SITES



The FROG Portable GC can also be used to monitor your progress at remediation sites with quick, lab-quality results.

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