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Chemical Detection Range	Vinyl Chloride (MW 62.5)	2-Methyl Naphthalene (MW 142.2)
Boiling Point @ 1 atm	-13.3 °C	244.7 °C
Vapor Pressure @ 25 °C	2980 mmHg	0.067 mmHg
Instrument Specifications		
PID Lamp	10.6 eV energy	
GC Column	2.5 meter or 5.2 meter	
Weight	4.8 lbs.	
Dimensions	10 x 7.5 x 14.5 inches	
Battery Life:	Nine hours, or external power	
Interface:	Standard RS-232 port	



Portable Gas Chromatograph for VOCs



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**Introducing the FROG-5000™
by Defiant Technologies, Inc.**

Hand-Held Gas Chromatography



Screening with Meaning

One Instrument - 3 Media

Features

- ✓ Chemical identification and concentration in under 10 minutes
- ✓ Highly Portable – Only 4.8 lbs. (2.1kg)
- ✓ 9- Hour Battery Life
- ✓ No specialty gases required
- ✓ Easy to program GC temperature
- ✓ Simple calibration process
- ✓ Quantitative results display on screen
- ✓ Chromatograms display real-time on computer
- ✓ Easy-to-use analysis software
- ✓ All test data stored in on-board memory

Applications:

- ❖ Area monitoring for industrial hygiene and safety – Benzene, Butadiene, Ethylene Oxide, Epichlorohydrin, Styrene, and many others
- ❖ Fenceline (perimeter) monitoring around industrial and remediation sites- Benzene, BTEX, and other VOC's
- ❖ Scrubber efficiency - Hydrocarbons and VOC's
- ❖ Carbon bed breakthrough detection - Benzene and organic compounds
- ❖ Environmental Monitoring
- ❖ Indoor Air Quality
- ❖ Vapor Intrusion
- ❖ Process Monitoring
- ❖ Laboratory and Field Analysis



Analyze Air

- Continuous air monitoring
- No traps or canisters
- EPA Method TO17 Adaptation

Analyze Soil

- Integrated purge-and-trap
- Direct analysis or extraction

Analyze Water

- Integrated purge-and-trap
- No sample storage needed

