



Defiant Technologies

FROG-4000 VOC Analyzer

Pine Item #51170

DESCRIPTION:

Defiant Technologies' FROG-4000TM is a hand held micro system for detection of benzene, toluene, ethylbenzene, and xylenes (BTEX) and other volatile organic compounds (VOCs) in water, air, and soil.

The FROG-4000TM miniaturizes components used for analytical chemistry. The system incorporates a micro preconcentrator that is coated with a designer nanoporous material. The micro preconcentrator has an integrated heater for thermal desorption. Defiant's micro GC separates target analytes in less than 5 minutes. The micro GC column also has an integrated heater for temperature ramp chromatography. Ramping the temperature reduces the analysis time and aids in the separation of late eluting compounds. The detector is a miniature PID (10.6 eV).

FEATURES:

- Designed for portable analysis of VOCs in water soil and air.
- Can be used as a portable GC PID for environmental testing in the field in a mobile lab portable lab or in a commercial environmental lab.
- System has a micro preconcentrator micro gas chromatographic (GC) column and a photoionization detector (PID).
- FROG-4000 scrubs ambient air to use as the carrier gas.
- Display provides VOC identification and concentration.
- SD cards stores field analyses.
- Chromatography software for data analyses.

APPLICATIONS:

- Air Vapor Intrusion
- Environmental Monitoring
- IAQ/Industrial Hygiene
- Process Monitoring
- Lab Analysis
- Field Analysis



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Product Specifications

Display	2.1 x .75 inch LCD
Carrier Gas	None ambient air is carrier gas
Cycle Time	Five Minutes
Computer Interface	Standard RS-232 port or USB.
Dimensions	US: 10 x 7.5 x 14.5 in. Metric: 25.4 x 19.1 x 37 cm
Weight	US: 4.8 lb. Metric: 2.2 kg
Interface:	Standard RS-232 port
Battery Life:	Six hours, or external power
Chemical Capabilities:	MTBE/BTEX, TCE/PCE, Alcohols/Ketones, Naphthalene, Other VOCs
Dimensions	US: 10 x 7.5 x 14.5 in. Metric: 25.4 x 19.05 x 36.83 cm
Weight	US: 4.8 lb. Metric: 2.17 kg



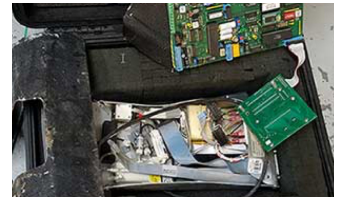
Local Delivery Pick-up



In-Stock Equipment



Repair & Calibration



Rental Protection Plan