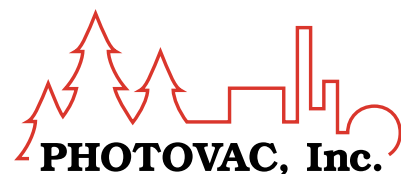


PetroPRO™

Photovac is **MORE**
than instruments.



Photovac delivers
PROVEN solutions.



High Speed Portable Gas Chromatograph

Portable Gas Chromatograph

High Speed



Analyze benzene in less than 30 seconds or analyze benzene toluene, ethylbenzene, and m-xylene in 2 minutes to low PPB levels

High speed chromatography provides the answers you need fast

The PetroPRO gas chromatograph incorporates proprietary detector and valve technology to increase the resolution of GC peaks and speed of analysis. The PetroPRO is designed for high speed analysis of benzene, toluene, ethylbenzene, and m-xylene; however it can be modified for analysis of a wide range of volatile organics.

Proven photoionization detector technology

The PetroPRO utilizes photoionization detector, a field proven technology in five previous generations of Photovac portable GCs. The PetroPRO photoionization detector has a wide dynamic range, from very low PPB to hundreds of PPM concentration levels.

Bring the GC to the sample

The PetroPRO is lightweight (14.6 pounds, 6.6 kg), and easy to carry with a shoulder carry strap. The PetroPRO has an internal carrier gas cylinder and battery pack so the instrument can be used in the field without support gas or external power source. All results are stored in the PetroPRO's memory for later download to a PC so no laptop is required in the field.

Easy to use

An intuitive user interface makes the PetroPRO easy-to-learn and use. The PetroPRO has a START key to begin sample introduction with a single key press. The PetroPRO's dedicated CAL key provides immediate access to calibration. Calibration takes just 2 minutes to complete.

Chromatography made simple

PetroPRO has a built-in graphic display that lists the name of the compound detected as well as the concentration of the compound in the sample. This eliminates the need to interpret results in the field. The PetroPRO comes factory programmed with the GC method and compound library. Running a sample is as simple as point and press.

Use it almost anywhere

Classified as Intrinsically Safe in North America [Class I, Division 1, Groups A, B, C, and D] and Europe ATEX (94/9/EC) for Zone 1 locations for use in potentially explosive environments.

Next GENERATION portable gas chromatograph with EFFORTLESS operation and HIGH SPEED analysis



- Petroleum products tank entry
- Health and safety monitoring
- Emergency response
- Site assessment
- Fenceline monitoring
- Ambient air monitoring
- Solvent storage and piping
- Transportation vessels
- Confined space entry
- Spill characterization

CHROMATOGRAPHY



Made Simple

- PetroPRO ELIMINATES method programming and complex data integration.
- PetroPRO is factory programmed with the GC method and compound library. No method setup required.
- Direct read display with compound name and concentration eliminates the need for data interpretation/ integration in the field

08:59:59 01 Mar 2003

Instrument status → Ready to Analyze

At 08:56 on 01 Mar 03

Compound detected and concentration → Benzene 10.0 ppb

Toluene 240 ppb

Ethylbenzene 1.7 ppm

Explanation of current screen display → Help Set-up History

Time and date stamp

Time last analysis started

View stored results

Enter user menu. Simple to access all functions through intuitive menu.

PetroPRO



Hardware Specifications

Size

13" (330 mm) long x 10.5" (265 mm) wide x 5" (125 mm) tall

Weight

14.6 pounds (6.6 kg)

Keypad

Eight keys, 3 soft, 5 fixed function

Display

Six line graphic LCD

Datalogger Memory

Greater than 100 analyses

Serial Output

RS-232, 38.4K baud, 8 data bits, no parity for connection to Windows-based PC

Audio Output

95 decibels @ 2048 Hz, on Alarm

Inlet Connection

1/8" compression fitting

Battery Charge/ Discharge Time

<6 hours/ 7.5 hours (8 hours with mains warm up)

Battery Type

Nickel Cadmium rechargeable cell with intelligent charger. The battery pack is 24% cadmium by weight. Battery must be charged in a known non-hazardous area.

Intrinsic Safety

Class I, Division 1, Groups A, B, C, & D Zone 1 locations
UL913, Sixth Edition
CAN/CSA E79
ATEX 94/9/EC, Zone 1 locations

Analytical Specifications

BTEX Analysis Time

130 seconds

Low Detection Limits

3 PPB Benzene/ 5 PPB Toluene/ 10 PPB Ethylbenzene/ 10 PPB m-Xylene

Operating Concentration Range

Low PPB to hundreds of PPM

Operating Temperature Range

0°C to 40°C (32°F to 105°F)

Operating Humidity Range

0 to 100% relative humidity (non-condensing)

Detector

Photoionization detector with standard 10.6 eV UV lamp

Carrier Gas

Built-in cylinder for Ultra Zero Air, 8 hours continuous operation

For further information on Photovac products, or to arrange a product demonstration, please contact a Photovac representative near you, email us at admin@photovac.com or contact Photovac, Inc.

PHOTOVAC, Inc. 176 Second Avenue | Waltham, MA 02451-1166 USA | Phone: 781-290-0777 Fax: 781-290-4884
PHOTOVAC Europa Bredabaan 885 | B-2170 Antwerp BELGIUM | Phone: +32-3-646-0456 Fax: +32-3-646-0095
visit us at www.Photovac.com



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