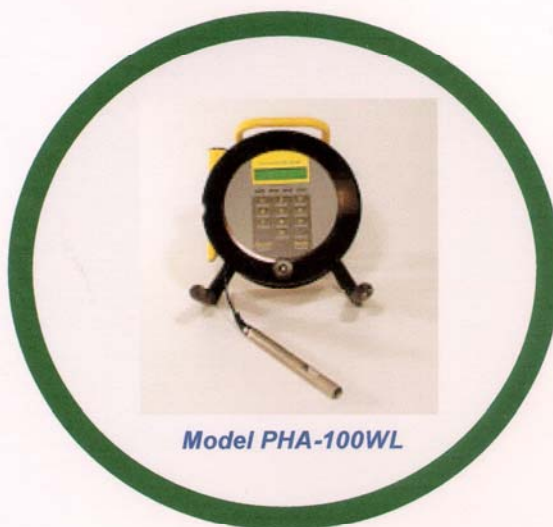


PETROSENSE® TPH ANALYZER

Eliminate the use of Freon 113



Model PHA-100WL

Until now, Freon 113 was used in conjunction with Infrared spectroscopy (IR) for the determination of Total Petroleum Hydrocarbons (TPH) in water (EPA Method 418; **not** an approved method). This method involved the extraction of TPH from a sample using an Infrared analyzer. The concentration of the unknown sample was calculated from a calibration curve previously prepared.

This time consuming method, involving a great deal of sample handling and costly solvents, is coming under extensive pressure to be eliminated. Freon 113 is now considered an environmental hazard, and the cost of this solvent has increased significantly over the last few years. By the year 2000, Freon 113 will not be readily available. Efforts to find a simple replacement method were not very successful until the PHA-100WL was introduced.

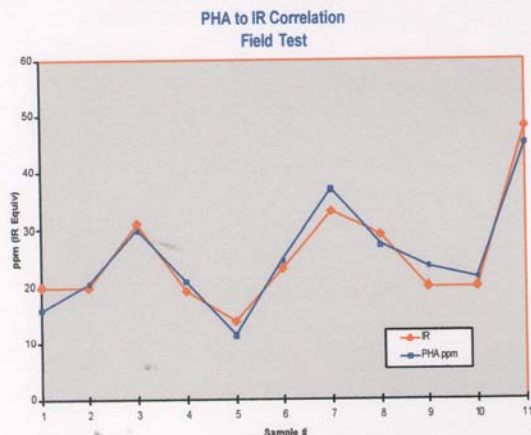
FCI Environmental, Inc. (FCIE), has developed the PETROSENSE® PHA-100WL as a viable alternative to Method 418. The Oil Field Analyzer requires no sample extraction or hazardous solvents for the analysis of TPH in water. This analyzer employs Fiber Optic Chemical Sensor (FOCS®) technology that enables the *in-situ* analysis of TPH dissolved in water, and the detection of free product.

The PHA-100WL has an excellent correlation to Method 418 (Freon 113 extraction followed by Infrared analysis), Method 413 (Freon 113 extraction followed by gravimetric analysis) and Method 1664 (hexane extraction followed by gravimetric analysis).

Currently, many oil companies are already switching to the PHA-100WL Analyzer for water applications where the traditional Method 418 had been used.

Contact:

MerTech, Incorporated
Houston, TX 77257-1866 USA
TEL 713.978.7765 FAX 713.978.6230



The PHA-100WL Analyzer in its Case

APPLICATIONS

- Produced Water
- Bilge Water
- Hydrocarbon Breakthrough
- Process Water

To order, or for more information, call toll-free (800) 510-3627 or contact your local representative.

FCI Environmental, Inc. also manufactures CMS-5000/4000 continuous monitoring systems and DHP digital hydrocarbon probes for continuous, remote, on-line monitoring of TPH in water applications.

FCI Environmental, Inc.
1181 Grier Drive, Bldg. B
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FEATURES

- Excellent Correlation with Method 418 (Freon 113 Extraction followed by IR Analysis), 413 (Gravimetric Analysis) and Method 1664 (hexane extraction followed by gravimetric analysis)
- Analyze Dissolved TPH in Water or Detect Free Product
- Displays and Logs Temperature
- Complete with 25 ft. of Cable (Optional 100 ft.)
- Battery or AC Powered
- Readout converted to ppm with correlation chart (similar to IR ppm correlation chart)
- 6-Month Warranty (Optional 1 Year)

BENEFITS

- Inexpensive to Purchase, Operate & Maintain
- No Disposal of Hazardous Solvents
- Non-Destructive Technology
- No Sample Preparation Required
- Provides Qualitative and Quantitative Data
- Pays for Itself with Quick ROI
- Rapid Analysis and Easy to Use

Manufactured under one or more of the following U.S. Patent Numbers: 4,824,206; 4,913,519; 4,846,548; 4,929,049; 5,026,139; 5,094,958; 5,109,422; 5,165,005; other Patents Pending.

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