

siteLAB®

Petroleum Hydrocarbon Solutions



INSTRUMENT SPECIFICATIONS

Weight & Dimensions:	13 lbs (5.9 Kg); 11" x 9" x 8" (28 cm x 23 cm x 21 cm).
Power Requirements:	External power supply, 100-120 VAC, Max. 30 watts.
Operating Temperature:	45°F to 95°F; 7°C to 36°C.
Principle of Operation:	Ultraviolet fluorescence spectrophotometer.
Detector:	Factory-installed photomultiplier tube (PMT).
Lamp:	Mercury vapor lamp included with analyzer (approx 10,000 Hr life expectancy). Replacement/spare lamps are available.
Min. Detection Limits:	Varies depending on Sitalab Calibration Kit used; GRO 0.5 ppm, EDRO 0.1 ppm, PAHs 0.05 ppm and TPH-Oil 0.5 ppm.
Display:	16 x 2 character LCD (3.9" x 0.9"); 9.8 cm x 2.2 cm).
Data Output:	100% ASCII format through a 9-pin RS-232 serial cable at 9600 baud. USB adapter available, Part No. 3100-USB, sold separately.
Software:	Menu driven microprocessor-controlled. CD-ROM with software included for computer connection, Microsoft compatible.
Filter Cylinder:	Accommodates up to eight, 25 mm (1-inch) round optical filters (up to 4 excitation and 4 emission filters).
Cuvettes:	Includes cuvette adapter and two glass cuvettes. Replacement/spare cuvettes are available.
Readout:	Direct concentration (in ppm or ppb) or raw fluorescence.
Calibration:	Multi-point calibration for direct concentration measurement.
Blank:	Reads and subtracts blank using methanol or hexane solvents.
Warranty:	One-year warranty, parts and labor.
Approvals:	CE, UL and C-UL. ISO 9001 manufacturing. Made in USA.

UVF 3100

CONTAMINANTS

Ideal for gasoline, jet fuel, diesel fuel, heating oils, crude oils, lube oils, creosote, coal tars and many other types of petroleum hydrocarbons.

QUICK RESULTS

Test soil, sediment or water samples in just 5 minutes using Sitalab test kits with solvent extraction :



ACCURACY

Correlates well to regulatory lab GC methods performed by certified laboratories. Ranked highest in U.S. EPA's "TPH in Soil" evaluation study. Publication No. EPA/600/R-01/080

FINGERPRINTING

Can be used to determine the type or age of petroleum on your site.



Sitalab's UVF-3100A and UVF-3100D models include a field case with all the tools needed to perform tests.

The analyzer is fitted with optical filters sensitive to the gasoline range, diesel and oil range and Target PAH ranges. Sitalab's GRO, EDRO and PAH Calibration Kits provide fast, accurate measurement with quality control.