

siteLAB

Petroleum Hydrocarbon Solutions

UVF-TRILOGY

PORTABLE HYDROCARBON ANALYZER

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, water and other samples in just 5 minutes using Sitelab test kits with solvent extraction.



ACCURACY

Correlates well to U.S. EPA and other regulatory lab methods performed by certified laboratories using Sitelab's specially formulated Calibration Kits. Available in methanol or hexane solvent.

TPH FINGERPRINTING

Forensic analysis can identify the type or age of petroleum on your site in minutes.

Available with 7200-004-FNGP model



UVF-Trilogy models include all the tools needed to perform analysis. Analyzer is factory calibrated and uses snap-in UV Modules (above) with LEDs and optical filters sensitive to the following tests:

- Gasoline Range Organics (BTEX)
- Extended Diesel Range Organics
- Polycyclic Aromatic Hydrocarbons
- TPH Oil & Grease

INSTRUMENT SPECIFICATIONS

Models Available & Part Number:	UVF-Trilogy GRO analyzer, 7200-004-GRO UVF-Trilogy EDRO analyzer, 7200-004-EDRO UVF-Trilogy PAH analyzer, 7200-004-PAHS UVF-Trilogy TPH-OIL analyzer, 7200-004-TPH UVF-Trilogy analyzer, 7200-004-FNGP, with all 4 UV Modules
Weight & Dimensions:	8.1 lbs (3.7 Kg); 12.9" x 10.4" x 8.4" (33 cm x 27 cm x 21 cm)
Power Requirements:	External power supply, Input 100-240V, Output 12V, 0.7A Max
Operating Temperature:	45°F to 95°F; 7°C to 36°C
Principle of Operation:	Ultraviolet fluorescence spectrophotometer (fixed wavelength)
Results Produced:	Performs both quantitative and qualitative measurements
Detector:	Photodiode sensor
Light Source:	Light Emitting Diodes (LEDs): 255 nm and 365 nm
UV Module Optics:	Four modules available each fitted with LED, excitation and emission optical filters sensitive to hydrocarbons of interest
Min. Detection Limits:	Varies depending on module and calibration used; GRO = 0.5 ppm, EDRO = 0.1 ppm, PAHs = 0.05 ppm, TPH-OIL = 0.5 ppm
Display:	Intuitive color touch screen user interface
Readout:	Direct concentration (PPM, PPB, etc.) or raw fluorescence units (RFU) mode
Data Output:	100% ASCII format through a USB port, software available online
Cuvettes:	Uses quartz glass cuvettes. Replacement, spare cuvettes available, sold separately
Calibration:	Can perform and store up to 18 multi-point calibrations. Analyzer is factory calibrated using 5-point calibration curves set up for GRO, EDRO, PAHs and/or TPH OIL.
Blank:	Reads and subtracts blank using methanol or hexane solvents
Response Time:	Measures samples in 6 seconds
Automatic Power Down:	After 20 minutes of inactivity
Other Capabilities:	Turbidity, absorbance and other non-UV applications
Portable Battery Power:	Charger available to power analyzer for days with quick recharge
Warranty:	One-year warranty, parts and labor
Approvals:	CE, UL and C-UL. ISO 9001 manufacturing. Made in USA 