

# siteLAB<sup>®</sup>

**Petroleum Hydrocarbon Solutions**



## INSTRUMENT SPECIFICATIONS

Weight & Dimensions:	13.9 oz (0.4 Kg); 1.75" x 3.5" x 7.25" (4.5 cm x 8.9 cm x 18.4 cm).
Power Requirements:	Four AAA batteries. Batteries good for approx. 1,000+ readings.
Operating Temperature:	45°F to 95°F; 7°C to 36°C.
Principle of Operation:	Hand-held ultraviolet fluorescence spectrophotometer.
Detector:	Factory-installed photomultiplier sensor.
Lamp:	Light Emitting Diode (LED).
Min. Detection Limits:	Varies depending on Sitalab Calibration Kit used; TPH-Oil 5 ppm, Heavy PAHs 25 ppb.
Display:	16 x 2 character LCD (2.5" x 0.6"; 6 cm x 1.5 cm); ppm or ppb units.
Data Output:	Not available. Record results manually.
Automatic Power Down:	After 3 minutes of inactivity.
Optical Filters:	Includes two sets of factory-installed excitation and emission filters; use Channel A optics for Sitalab applications.
Cuvettes:	Uses disposable 8 mm round glass cuvettes. Cuvettes are included with Sitalab sample extraction kits and calibration kits.
Calibration:	Single-point and blank.
Blank:	Reads and subtracts blank using methanol or hexane solvents.
Response Time:	5 Seconds.
Diagnostics:	Displays percent fluorescence sensitivity of calibration and blank.
Alarms:	Low battery, circuit failure, high blank.
Warranty:	One-year warranty, parts and labor.
Approvals:	CE, UL and C-UL. ISO 9001 manufacturing. Made in USA.

# TD 500D

## CONTAMINANTS

Test samples for TPH with heavy fuel oils, waste oils or crude oils. Test for PAHs in old, weathered fuel oils, creosotes, coal tars and coal ash.

## QUICK RESULTS

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



## ACCURACY

When used with Sitalab Calibration Kits, TPH-Oil results correlate well to EPA's 1644 gravimetric method. PAH results correlate well to EPA's 8270 method as sum of PAH compounds.



## EASY TO USE

The equipment is simple to operate. Sitalab's TD-500D model includes a field case with all the tools needed to perform tests.

