



ACE INSTRUMENTATION

TD-3100
ANALYZER
HYDROCARBONS IN WATER/SOIL

The TD-3100 is a low cost benchtop instrument for analyzing hydrocarbons in water and soil. Developed to provide an alternative to industry standard laboratory methods. Measures samples with solvent extraction methods or non-extraction within solubility limits.



- Compatible with all popular extraction solvents
- Simple set-up and calibration
- Low cost per sample analysis
- Less than 10 seconds per sample
- Calibrated methods for quantitative analysis
- Un-calibrated method for relative measurements
- Results correlate to standard methods
- Quick-change optics for multiple applications
- Detection limits range from ppb to ppm depending on application
- CheckPOINT® Solid Reference Standard for quick calibration check

Typical Target Hydrocarbons

- | | |
|-----------|----------------------|
| Crude Oil | Fuel Oils |
| BTEX | Kerosene |
| Phenol | Heat Transfer Fluids |
| Styrene | Transformer Oils |
| Gasoline | Lube Oils |
| Diesel | Hydraulic Oils |
| Jet Fuel | |

Certificate Number: 46016

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HYDROCARBONS IN WATER/SOIL

Applications include:

- Heat Exchanger Leak Detection
- Oilfield Produced Water
- Industrial Wastewater
- Ground Water
- Storm Water
- Bilge Water
- Soil Extract Analysis
- Drinking Water
- Process Water



SPECIFICATIONS

Detection Limits	Ranges from ppb to ppm depending on application.
Power	External power supply, 100-240 VAC, Max. 30 watts
Weight	13 lbs (5.9 Kg)
Operating Temperature	60 - 95°F; 15 - 36°C
Display	16 x 2 character LCD; (3.86" x .86"; 9.8 cm x 2.18 cm)
Data Output	100% ASCII format through a 9-pin RS-232 serial cable at 9600 baud
Available Cuvettes	Includes adapter for 10 x 10 x 45 mm square cuvettes. Optional 25 mm adapter accommodates 25 x 150 mm test tubes. Optional adapter for 13 x 100 mm test tubes.
Filter Cylinder	Accommodates eight, 25mm (1-inch) round filters, (four excitation and four emission)
Software	Menu-driven microprocessor-controlled
Detector	Factory-installed photomultiplier tube.
Lamp	Various depending on application
Material	UL-approved polyurethane. Sheet metal back and base
Readout	Direct Concentration (ppb, ppm) or Raw Fluorescence
Calibration	Multi-point Calibration for Direct Concentration Measurement or Single Point Raw Fluorescence Calibration
Blank	Reads and subtracts Blank
Discrete Sample Averaging	Sample readings can be averaged to improve accuracy (7-second delay; 1 2-second signal averaging; 5-second display readout)
Warranty	One-year warranty
Approvals	CE, UL, and C-UL



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