

TD-3100 ANALYZER HYDROCARBONS IN WATER/SOIL



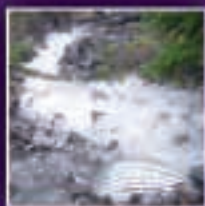
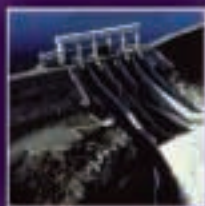
- Compatible with all popular extraction solvents
- Simple set-up and calibration
- Low cost per sample analysis
- Less than 10 seconds per sample
- Calibrated methods for quantitative analysis
- Un-calibrated method for relative measurements
- Results correlate to standard methods
- Quick-change optics 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
BTEX
Phenol
Styrene
Gasoline
Diesel
Jet Fuel

Fuel Oils
Kerosene
Heat Transfer Fluids
Transformer Oils
Lube Oils
Hydraulic Oils

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.



TURNER DESIGNS
Hydrocarbon Instruments

TD-3100

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; 12-second signal averaging; 5-second display readout)
Warranty	One-year warranty
Approvals	CE, UL, and C-UL


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