

## INFRACAL CUVETTE HOLDER ANALYZER, MODEL CVH

### FOR MEASURING OIL AND GREASE CONCENTRATION LEVELS

This model is recommended for measuring total oil and grease (TOG) and total petroleum hydrocarbon (TPH) levels in water and soils, as well as fats, oil and grease (FOG) in water using the traditional EPA methods 413.2 and 418.1 with Freon-113 or ASTM Method D7066-04 with S-316, also compatible with other infrared transparent solvents such as hydrocarbon-free spectroscopic grade perchloroethylene, AK-225 or other infrared transparent solvent as the extracting solvent. This model is ideal for on-site analysis to meet new European regulations. Since there is no evaporation step in the analysis the light end volatile components are retained for measurement.

- ✦ Analyze produced water on offshore oil rigs
- ✦ Monitor effluents from refineries or wastewater treatment and industrial plants
- ✦ Measurement of fats, oil and grease (FOG) discharges
- ✦ Determine efficiency of oil/water separation systems
- ✦ Conduct soil studies at remediation sites or around underground storage tanks
- ✦ Measurement of residual oil on precleaned metal components
- ✦ Determine purity level of reclaimed solvents
- ✦ **or virtually any on-site testing of water and soil requiring measurement of TOG and/or TPH concentration levels**

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### 405-0003 INFRACAL CUVETTE HOLDER ANALYZER, MODEL CVH

Complete with CVH Sample Stage for use with 10mm Quartz Cuvette Cells. Power Supply and Instruction Manual. *Does not include 10mm Quartz Cuvette Cells.*

(For use with Freon, perchloroethylene, S-316, AK-225 or other infrared transmitting solvents for the extraction process.

Measurement based on EPA Methods 413.2 and 418.1 and ASTM Standard Test Method D 7066 - 04)

### 403-0012 SET OF FOUR 10MM QUARTZ CUVETTE CELLS

#### PRODUCT SPECIFICATIONS

**TYPE:** Fixed filter infrared filterometer

**DIMENSIONS:** 6.5 x 6.5 x 5" (165 x 165 x 127 mm)

**WEIGHT:** 4.5 lbs. (2.0 kg)

**DISPLAY:** 4 digit, 7-segment red LED,  
5/8 in. character height

**POWER REQUIREMENTS:**

Voltage - 12 V dc, +2% max.

Power - 7.5 watts max., 5 watts typical

Input - Switchcraft 760 plug or equivalent,  
center positive

**SUGGESTED POWER SOURCES:**

Wall supply; AC/DC converter type (supplied as  
standard)

12 volt auto battery adapter connector (optional)

Portable 12 volt battery pack (optional)

**TYPICAL USEFUL MEASUREMENT RANGE:**

For Water: 2 -1000 ppm

(using a 10:1 extraction ratio)

For Soil: 3 - 5000 ppm

(using a 1:2 extraction ratio)

**USABLE SOLVENTS FOR EXTRACTION PROCESS:**

Freon, perchloroethylene, S-316, AK-225  
or other infrared transparent solvent

**ANALYSIS TIME:** Typically 10-15 minutes,  
including extraction process

**OPERATING TEMPERATURE RANGE:**

40°F (4°C) to 110°F (45°C)

**USER SELECTED CALIBRATION:**

Zero balance adjustment

Up to 20 point curve fitting calibration

**INSTRUMENT REPEATABILITY:** +/- 1ppm