

## INFRACAL IR PLATFORM ANALYZER, MODEL HATR-T2

### 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 wastewater when using hexane, pentane or Vetrel MCA as the extracting solvent. The solvent extract is evaporated and the residual oil is measured—much like EPA Method 1664. **Note: Light end volatile components will be lost in the extraction process.** The analyzer is equipped with a built-in cubic zirconia horizontal attenuated total reflection (HATR) sample stage.

- ✦ 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 in solvent for metal parts cleaning
- ✦ 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**

**WILKS ENTERPRISE INC**

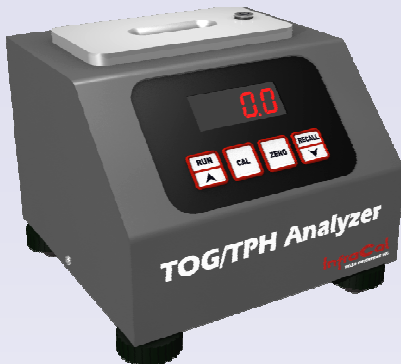
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### 405-1009 INFRACAL IR PLATFORM ANALYZER, MODEL HATR-T2

Complete with HATR-T2 Stainless Steel Trough Sample Stage with Built-in Cubic Zirconia ATR Crystal, Power Supply and Instruction Manual.

**(For use with hexane, pentane or Vetrel MCA as the extracting solvent. Measurement data can be correlated with EPA Method 1664.)**

### 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: 8 -1000 ppm  
(using a 10:1 extraction ratio)  
For Soil: 20 – 5000 ppm  
(using a 1:2 extraction ratio)

#### USABLE SOLVENTS FOR EXTRACTION PROCESS:

hexane, pentane or Vetrel MCA

**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:** +/- 2ppm