

**INFRACAL CARD READER ANALYZER,  
MODEL CH  
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 Vertrel MCA as the extracting solvent. This model uses specially-designed reusable IR sample plates with sapphire windows and is ideal for measuring higher levels of TOG or TPH in water or soil samples. **Note: Light end volatile components will be lost in the evaporation process.**

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- ✦ 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, TPH or FOG concentration levels**



**405-0010 INFRACAL CARD READER ANALYZER,  
MODEL CH**

Complete with CH Sample Stage for use with InfraCal Reusable IR Sample Plates, Power Supply and Instruction Manual. *(Does not include Reusable IR Sample Plates)*

**For use with hexane, pentane and Vertrel MCA as the extracting solvent.**

**403-0010/5 INFRACAL REUSABLE IR SAMPLE PLATES,  
PACKAGE OF 5**

**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: 40 - 2000 ppm  
(using a 10:1 extraction ratio)  
For Soil: 200 - 5000+ ppm  
(using a 1:2 extraction ratio)  
**USABLE SOLVENTS FOR EXTRACTION PROCESS:**  
Hexane, Pentane or Vertrel 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:** +/- 4 ppm