

InfraCal Series

Total Oil & Grease Analyzer

ASTM D7066, EPA 1664



InfraCal 2 ATR-SP

The ATR-SP model is the most common model chosen by customers. Like EPA 1664, the ATR-SP uses hexane and an evaporation during the measurement process making it an ideal solution for customers trying to get comparable results to the EPA 1664 method.

- Strong correlation to EPA 1664 because both methods use a hexane extraction procedure
- Uses a variety of solvents such as hexane, pentane and cyclohexane that are inexpensive, easily obtained
- ATR crystal is robust and is easily maintained with proper cleaning
- No sample handling accessory required
- Measurement range can extend up to 15%

InfraCal 2 TRANS-SP

The TRANS-SP uses the traditional IR transmission method for measuring oil in water/soil. Since the TRANS-SP does not rely on an evaporation, there is no loss of volatile material during measurement which is why the TRANS-SP was used for developing ASTM D7066.

- Measures both volatile and non-volatile hydrocarbons
- No evaporation required
- Used to develop ASTM D7066
- Strongly correlates with other regulatory methods
- Uses a variety of solvents, some of which are non-toxic and environmentally friendly

Analytical Wavelength / Wave Number	3.4 μ m, 2930 cm
Power Requirements	18 volts DC, 3.3 amps, internal battery
Power Supply	Universal AC/DC provided
Weight	5.8 lb (2.6 kg), with battery - 7.0 lbs (3.2 kg)
Dimensions	6.7" (17 cm) x 7.8" (19.8 cm) x 5.2" (13.2 cm)
Suggested Operating Range	40°F (5°C) - 110°F (40°C)
Measurement Range	ATR-SP: 0.3 - 2000+ ppm 0.3 - 15+ % TRANS-SP: 0.1 - 2000+ ppm
Analysis Time	10 - 15 minutes, including extraction process
Instrument Repeatability	ATR-SP: \pm 0.3 ppm TRANS-SP: \pm 0.1 ppm
Communication Port	USB, RS 232

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