



Calibration Options for the InfraCal Model CH

It is important to note that all InfraCal TOG/TPH Analyzers can be ordered with or without a factory calibration. Calibration of the analyzer enables it to directly display oil/grease concentration levels in parts per million (ppm) or milligram/kg.

Several calibration options are available:

- **Non-Certified Factory Calibration by Wilks Enterprise**
- **Certified Laboratory Calibration by Independent Testing Lab - U.S. Customer's Only**
- **Customer Prepared Calibration Standards**
- **Calibration Standards available for purchase from Wilks Enterprise**

- **Non-Certified Factory Calibration by Wilks Enterprise**

Wilks Enterprise can provide the InfraCal TOG/TPH Analyzer with a non-certified 6-point factory calibration using any of the calibration standards we have available for purchase. **This prepares the analyzer for immediate use once received by the customer.** Factory calibrations are available for water and soil, please specify which at the time you order your InfraCal Analyzer. **This option is strongly recommended for international customers, as well as those US customers who do not require a certified calibration or do not wish to calibrate the analyzer themselves.** Please see the list of calibrated analyzers below for part numbers and ordering information.

- **Certified Laboratory Calibration by Independent Testing Lab - U.S. Customers Only**

The InfraCal TOG/TPH Analyzer can be calibrated by a certified laboratory such as [Sherry Laboratories](#), 800-737-2378 or 337-235-0483 or [Petroleum Laboratories Inc.](#), 337-234-7414. The standards can be made from the customer's own oil sample or from a heavy weight oil. Standards are prepared on weight/volume basis. The standards can be verified against EPA Method 413.1 or 1664 for an extra charge. Please contact Sherry Laboratories or Petroleum Laboratories directly for more information and pricing concerning their calibration service. If you are outside the U.S. and require a Certified Laboratory Calibration, you will need to locate a lab in your respective country that can provide this service for you.

- **Customer Prepared Calibration Standards**

Customers may prepare their own calibration standards or calibrate against a laboratory method. Detailed instructions can be found in the InfraCal TOG/TPH User's Manual for the respective model - available prior to purchase.

[User's Manual HATR-T2 & CH](#)

- Calibration Standards available for Purchase from Wilks Enterprise

[403-1043 Hexane/TOG/TPH Six Point Calibration Standard Set](#)

[403-1044 Hexane/TPH Six Point Calibration Standard Set](#)

Non-Certified Factory Calibrated InfraCal Analyzers

405-0002-43 InfraCal Card Reader Analyzer, Model CH complete with a Non-Certified Factory Calibration using Hexane/TOG/TPH 6pt. Calibration Standard Set [P/N: 403-1043](#). (Please specify if the calibration is for water or soil analysis)

405-0002-44 InfraCal Card Reader Analyzer, Model CH complete with a Non-Certified Factory Calibration using Hexane/TPH 6pt. Calibration Standard Set [P/N: 403-1044](#). (Please specify if the calibration is for water or soil analysis)

Pre-packaged Calibration Standards

403-1043 Hexane/TOG/TPH Six Point Calibration Standard Set 50:50 Stearic Acid/Hexadecane in N-hexane as per EPA Method 1664 prepared by a certified laboratory. Concentrations are equivalent to 100 mg/kg (ppm), 250 mg/kg, 500 mg/kg, 1000 mg/kg, 1500 mg/kg and 2000 mg/kg for soil assuming a 1:1 extraction ratio; and 10 mg/l (ppm), 25 mg/l, 50 mg/l, 100 mg/l, 150 mg/l and 200 mg/l for water assuming a 10:1 extraction ratio. The set contains 6 standards along with a solvent blank in 4 ml flame sealed ampoules. It is recommended **for customers measuring non-polar (petroleum) and polar (animal and vegetable fats) hydrocarbons for FOG or TOG measurements** with hexane as the extracting solvent.

403-1044 Hexane/TPH Six Point Calibration Standard Set Light Mineral Oil in N-hexane prepared by a certified laboratory for TPH analysis. Concentrations are equivalent to 100 mg/kg (ppm), 250 mg/kg, 500 mg/kg, 1000 mg/kg, 1500 mg/kg and 2000 mg/kg for soil assuming a 1:1 extraction ratio; and 10 mg/l (ppm), 25 mg/l, 50 mg/l, 100 mg/l, 150 mg/l and 200 mg/l for water assuming a 10:1 extraction ratio. The set contains 6 standards along with a solvent blank in 4 ml flame sealed ampoules. Replaces P/N: 409-7924-99(3-in-1 Oil in hexane). Both 3-in-1 Oil and mineral oil are heavy hydrocarbons **for customers in the petroleum industry that are just measuring petroleum hydrocarbons in water and soil.**

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