

Measuring Percent Biodiesel in Diesel

- Comparable to ASTM D7371 and EN 14078
- Suitable for fuel loading areas
- Battery operable
- Results in less than 1 minute
- Used by fuel terminals and regulatory agencies



InfraCal 2 Biodiesel Blend Analyzer

The **InfraCal 2 Biodiesel Blend Analyzer** is a fixed-filter infrared analyzer that, unlike FTIR spectrometers, has no moving parts making it portable, rugged and suitable for use in a field environment. Weighing less than 5 lbs., it can be operated from a 12 volt battery. It is ideal where a single, repetitive percent biodiesel in diesel test is needed. This new version analyzer has increased sensitivity and features over the previous InfraCal Analyzer for applications that require more options. New electronics and calibrations schemes improve stability. The touch screen display includes multiple calibrations, data storage including each measurement tagged with analyst, location and date/time information, and password protected instrument settings.



InfraSpec VFA-IR Spectrometer

The **InfraSpec VFA-IR Spectrometer** is a spectral range infrared analyzer capable of more than one measurement. Measurements include percent ethanol in gasoline, water in ethanol and biodiesel in diesel. Also compact and rugged with no moving parts, the InfraSpec VFA-IR Spectrometer utilizes a PC for operation which allows for more data storage and transfer capabilities.

For analysis, the fuel sample is placed directly on the exposed ATR sample window, a "run" button is selected and the result is display in 15 seconds. The InfraCal Analyzer and InfraSpec VFA-IR Spectrometer are currently in used by fuel terminals and distributors as well as regulatory agencies worldwide.

Measurement Specifications:

	Range	InfraCal Biodiesel Blend Analyzer Instrument Repeatability	InfraSpec VFA-IR Spectrometer Instrument Repeatability
Biodiesel in Diesel	0.2-30%	+/- 0.2	+/- 0.2
Biodiesel in Diesel	30-100%	+/- 1% of concentration	+/- 1% of concentration
Water in Ethanol	0-10%	N/A	+/- 0.2
Ethanol in Gasoline	0.2-20%	N/A	+/- 0.2
Ethanol in Gasoline	20-98%	N/A	+/- 1% of concentration

Ordering Information:

Part Number	Analyzer	Calibration
405-2041	InfraCal 2 Analyzer	Un-calibrated
405-2041-1050	InfraCal 2 Analyzer	0-30%
405-2041-1024	InfraCal 2 Analyzer	0-100%
405-2017-1013	InfraSpec VFA-IR Spectrometer*	Un-calibrated
405-2017-1013-50	InfraSpec VFA-IR Spectrometer*	0-30%
405-2017-1013-24	InfraSpec VFA-IR Spectrometer*	0-100%

*Note: Ethanol calibrations available

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