

InfraCal 2 ATR-B

Biodiesel in Diesel Analyzer

ASTM D7371, EN 14078

The InfraCal 2 Biodiesel Blend Analyzer for measuring percent biodiesel in diesel is the ideal solution where a quick, accurate, on-site measurement is required and a single, repetitive biodiesel blend analysis is needed. The InfraCal 2 ATR-B is based on proven IR technology, originally developed by Wilks, and used by fuel distributors, blenders, producers and regulatory agencies worldwide. The compact, easy-to-use Biodiesel Blend Analyzer has a measurement range of 0 – 100% biodiesel in diesel. These results are comparable to both ASTM D7371 and EN 14078, laboratory methods that require expensive FTIR Spectrometers. Samples are applied to a zinc selenide attenuated total reflectance (ATR) sample plate for immediate results. The analysis can be done by non-technical personnel with no formal training and is ideal for lab or field use. The InfraCal2 ATR-B has a touch screen display, internal data storage and transfer, a multi-language interface and password protected settings. The internal battery pack allows for portability and up to 6 hours continuous use, providing results in under a minute at a fuel loading rack, in a laboratory or at a pump in a fueling station.

Features

Internal Data Storage

Data storage including each measurement tagged with analyst, location and date/time information, and password protected instrument settings

Touch Screen Display

The touch screen display allows a simple set up for quick operation along with an easy calibration wizard.

Internal Battery

The internal battery pack allows for portability and up to 6 hours continuous use.

Multi-Language Interface

English, Spanish, French, Arabic

No need for Installation/Commissioning

The InfraCal 2 is a portable analyzer, weighing less than 5 lbs. with a 6 in. square foot print, requiring no installation or commissioning, little to no routine maintenance or recalibration.



Export

Directly to your PC via USB or a Flash Drive

Password Protected Settings

Calibration and data are password protected to avoid accidental deletion

Minimal Consumables

The analysis requires little to no consumables making the cost-per-test minimal.

Specifications

Analytical wavelength /wave number	5.7 μ m, 1745 cm-1
Power requirements	18 volts DC, 3.3 amps, internal battery pack
Suggested operating range	5°C - 40°C
Measurement range	0 - 100% Biodiesel in Diesel
Analysis time	Less than 30 seconds
Power requirements	110 - 240 VAC +/- 10% 50 - 60 Hz Built-in battery 98 Wh
Instrument repeatability	0 - 30% \pm 0.2%, 20 - 100% \pm 1% of biodiesel (FAME) concentration
Dimensions	30 x 23 x 26 cm (H x L x W)
Communication port	USB, RS 232
Power supply	Universal AC/DC provided
Weight	5.8 lb. (2.6 kg) with battery 7.0 lbs (3.2 kg)
Dimensions	17 cm x 19.8 cm x 13.2 cm