

# 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.



### 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.

## 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.

## Specifications

|                                    |  |
|------------------------------------|--|
| Analytical wavelength /wave number | 5.7 $\mu$ m, 1745 cm <sup>-1</sup>                           |
| 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%<br>50 - 60 Hz Built-in battery 98 Wh   |
| Instrument repeatability           | 0 - 30%±0.2%, 20 - 100%±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<br>7.0 lbs (3.2 kg)            |
| Dimensions                         | 17 cm x 19.8 cm x 13.2 cm                                    |