

# Portable Fuel Analysis

## enhanced portable fuel analyzer

- Quick and easy lab accurate readings
- For analysis on site
- Costs pennies per test
- Eliminates the need to ship fuel samples to lab
- Long field life (average of 7+ years)
- Ease of calibration adjustment
- User friendly, menu driven interface
- Stand-alone instrument with ability to upload readings and calibrations to laptop/tablet/PC
- Larger screen to enable testing in all light conditions
- 45 second analysis with lab accuracy for RON, MON, R+M/2

The K88620 is a state-of-the-art portable fuel analyzer capable of measuring octane and, with optional calibrations, measuring cetane, ethanol content, and biodiesel percentages. Improved NearIR optics and a user-friendly interactive display enables quick and accurate determination of fuel quality at the pump, at the rack, at the terminal, and in production.

### Included Components

Instrument  
Case  
AA Batteries  
5 Rolls of Printer Paper  
AC Power Cord  
Calibration Software  
User's Manual  
Quick Start Guide  
Calibration Manual

### Dimensions

4.5" x 13.5" x 2.2" in (12cm x 33cm x 5cm)  
Net Weight  
3 lbs. (less than 2 kg)

## ordering information

### catalog no. description

**K88620** Enhanced Portable Fuel Analyzer 120 VAC 60Hz  
**K88629** Enhanced Portable Fuel Analyzer 220-240 VAC 50/60Hz

### accessories

**K88620-1** Additional Fuel Calibration (diesel, biodiesel)  
**K88607** Aluminum Sample Case w/12 Jars  
**K88620-3** Cigarette Lighter Adapter  
**K88620-4** Extended Warranty, 1-year  
**K88613** GPS Locator  
**K88609** Labels for Sample Holders, 12  
**K88608** Lids for Sample Holders, 12  
**K88605** Light Shield  
**K88601** Printer Paper (10 rolls)  
**K88620-10** Printer Replacement Mechanism  
**K88604** Sample Holders, Box of 12



**K88620 Enhanced Portable Fuel Analyzer**

## specifications

Accuracy and repeatability equivalent to ASTM approved CFR engine test methods (ASTM D2699, D2700)

### System Capabilities:

- Pre-calibrated for: Octane number RON, MON, (R+M)/2
- Optional Calibrations: Diesel cetane index, cetane number, biodiesel percentage
- Outputs: Full Color Display, built-in Printer that includes time and date of analysis
- Data Transfer: Via USB port for interface with PC
- Data Analysis: Includes full calibration software
- Results: Traceable to CFR Engine or other fuel lab standards
- Calibrations: Stores up to 10 calibration sets
- Automatic fuel detection (Gasoline/E-Gas/Diesel)
- Automatic temperature compensation
- Self-standardizing to ensure accuracy
- Data Storage: Stores data for up to 100 samples

### Optical Capabilities:

- Measurement Mode: Diffuse transmittance
- Spectrum Range: 16 filters covering wavelengths from 810 to 1045 nm
- Scan Speed: Up to 10 scans per second
- Optical Range: 0 to 6 AU
- Resolution: 0.00001 AU
- Stability: 0.05 Mili-AU
- Measurement Time: Variable (Typically under 25 seconds)

### Sample Information:

- Sample Size: 200mL with 75mm path length
- Sample Holder: Reusable glass with chemical seal cover
- Sample Preparation: None required
- Sample Destruction: None