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 the latest of the line portable fuel analyzer that is capable of testing fuels for octane, cetane, percent ethanol, 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
- Spetrum 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 pathlength
- Sample Holder: Reusable glass with chemical seal cover
- Sample Preparation: None required
- Sample Destruction: None

Koehler INSTRUMENT COMPANY, INC.
85 Corporate Drive, Holtsville, New York 11742
1-800-878-9070 (in u.s. only) TEL: +1 631 589 3800 FAX: +1 631 589 3815
Email: sales@koehlerinstrument.com www.koehlerinstrument.com