### Specifications

**Function**
Quantitative constituent analysis for product research measurement and/or product monitoring

**System Capabilities**
- Precalibrated for: Octane number RON, MON, (R+M)/2
- Optional Calibrations: Diesel cetane index, cetane number
- Outputs: LCD display, built-in printer
- Data Transfer: Via RS-232 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
- Data Storage: Stores data for up to 25 samples

**Optical Capabilities**
- Measurement Mode: Diffuse transmittance
- Spectrum Range: 14 filters covering wavelengths from 893 to 1045 nm
- Scan Speed: Up to 10 scans per second
- Optical Range: 0 to 6 AU
- Resolution: 0.00001 AU
- Stability: 0.05 Milli-AU
- Measurement Time: Variable (Typically under 20 seconds)

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

**Physical Data**
- Dimensions: 5"W X 14"L X 4"H (12 cm X 36 cm X 11 cm)
- Weight: 3 lbs. (less than 2 kg)

**Installation Data**
- AC Power Requirements: 120 or 240 VAC 50/60 Hz AC adapter (supplied)
- DC Power Requirements: 6 AA alkaline batteries (included)
- Optional: 12V automobile adapter
- Power Consumption: 750 ma

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**Portable Near-Infrared Octane/Cetane Analyzer**

Featuring Automatic Fuel Detection:
- Gasoline
- Ethanol Blended Gasoline
- Diesel (optional)

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For Analysis...
...Where you need it most
...When you need it most

ISO 9001 CERTIFIED

For Lab Accurate, On-Site Analysis of Octane and Cetane
Unique Design Features Add Versatility, Dependability and Convenience

- Automatic fuel detection (Gasoline/E-Gas/Diesel)
- Less than one minute warm up time
- Stores data for up to 25 samples
- Precalibrated for unleaded and Ethanol blended fuels
- Optional diesel cetane index and cetane number calibrations available
- Automatic temperature compensation
- Displays results in less than 20 seconds
- Self-standardizing to ensure accuracy
- Easy-loading sample holder
- Easy-to-read LCD display
- Built-in printer that includes time and date of analysis
- Optional GPS locator - GPS data is printed and stored
- RS-232 port for PC interface
- Optional USB capability
- \(\frac{R+M}{2}\), RON, MON
- Can store up to 10 separate gasoline formula calibrations
- Small, lightweight, and easy to use
- Operates on "AA" batteries or AC Power
- Sturdy aluminum carrying case

A Proven Track Record - Used Worldwide

Thousands of Zeltex Octane Analyzers prove themselves every day at major refineries, state laboratories, federal labs, military laboratories, government regulatory agencies, blending wholesalers and many other users worldwide.

Control Quality - Control Costs

Portable octane testing allows on-the-spot control and decisions that will save money and time - making octane control a reality.

Who Uses Zeltex Technology?

Government Inspection Agencies
- At the pump inspections
- Over 30 states already use Zeltex Analyzers for their field inspectors
- Used in over 40 countries worldwide

Service Stations/Gasoline Retailers
- Make sure you’re not giving octane away
- Make sure you get what you’re paying for

Blending Stations
- Ensure that your delivery vehicles are delivering the proper blends

Refineries & Terminal Docks
- Quality control spot checks on blended fuels
- Allows for immediate adjustments

Military
- Quick, efficient analysis of overseas or unverified fuel supplies to maximize vehicle performance

Research & Development
- Research labs can perform complex analysis for new product development projects