

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 Mili-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

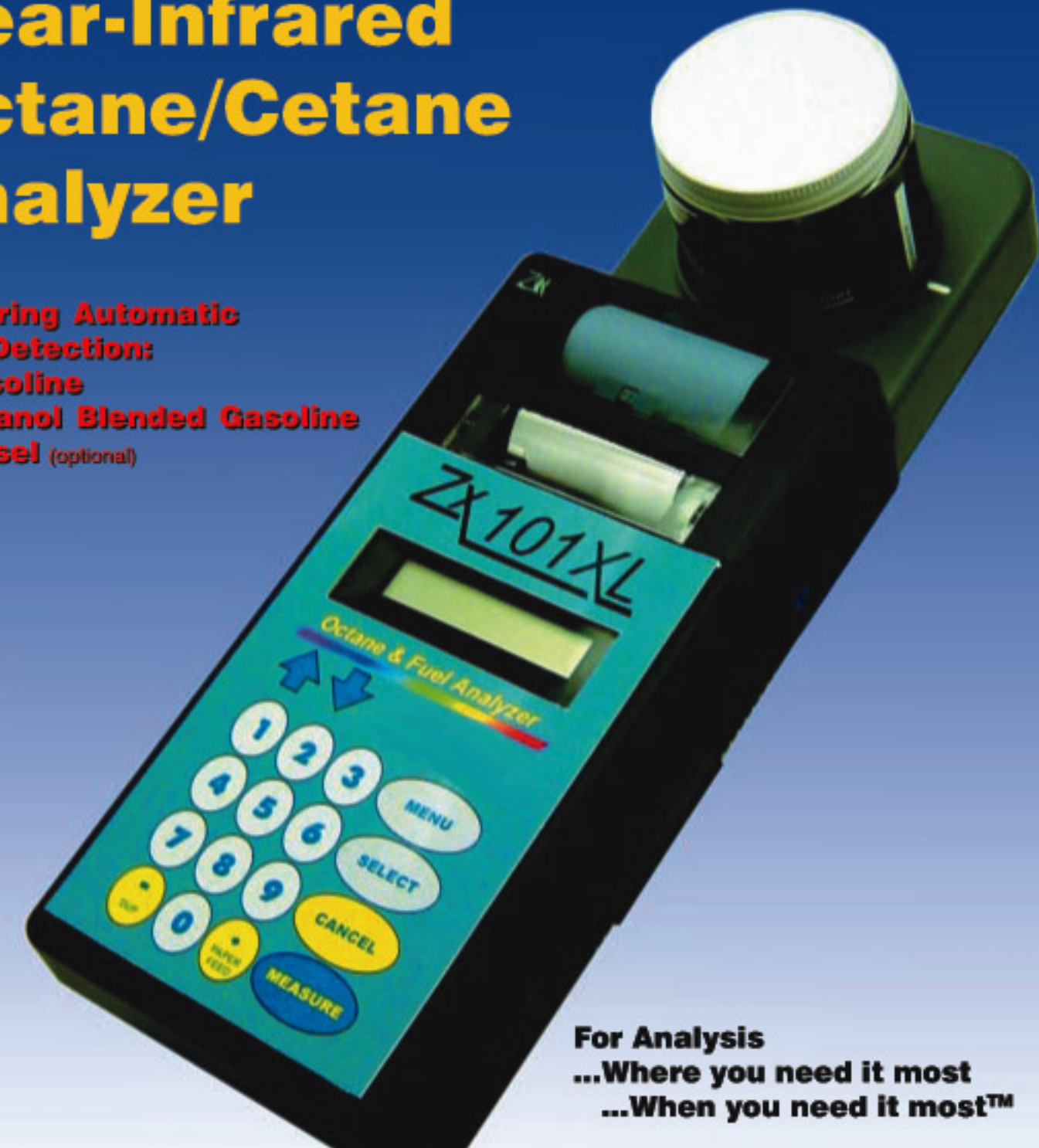


ZX-101XL

Portable Near-Infrared Octane/Cetane Analyzer

Featuring Automatic
Fuel Detection:

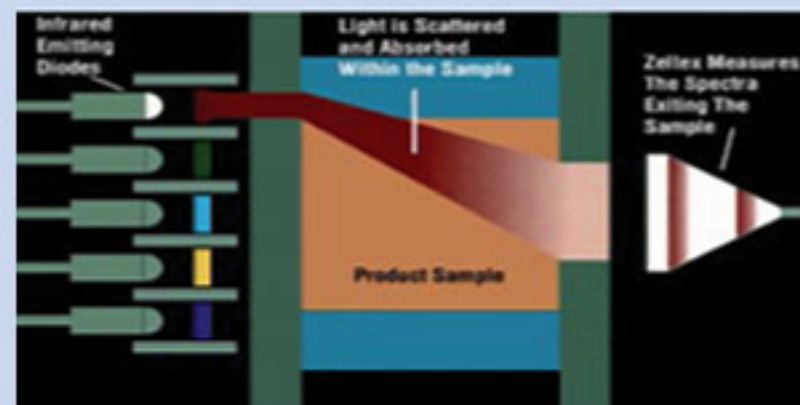
Gasoline
Ethanol Blended Gasoline
Diesel (optional)



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

How It Works: Applied Science In Measurement

Light energy that enters the sample is scattered and absorbed within the sample. The ZX-101XL measures the spectra exiting the sample, and directly displays the product's constituent concentrations.



For Lab Accurate, On-Site Analysis of Octane and Cetane

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