

# Portable Cetane and Octane Analyzer

This octane meter adheres to ASTM D 2699-86 and ASTM D 2700-86 standards. The cetane number meter complies with ASTM D 4737-03, ASTM D 613, and EN ISO 5165 requirements.



## Overview

### Precision Fuel Analysis

This portable analyzer offers rapid and accurate determination of octane and cetane numbers for fuel quality control. Utilizing innovative silicon quartz crystal polymer technology and advanced data processing, it ensures highly sensitive detection of dielectric parameter changes. Designed for both laboratory and field environments, the device features an intelligent battery management system for extended operation and provides real-time, multi-point dynamic calibration for reliable results.

## Performance Metrics

### Octane Detection Range

**40**

Min Octane

**120**

Max Octane

### Cetane Detection Range

**20**

Min Cetane

**100**

Max Cetane

### Measurement Accuracy

Parameter	Accuracy
Octane Number	0.5
Cetane Number	1

## Operational Specs

Detection Time	< 3 seconds
Detection Current	30 mA
Battery Standby Time	1000 hours

## Environmental Conditions

Operating Temperature	-10°C to +40°C
Relative Humidity	30% - 80% R.H.

## Certifications

### Compliance

CE • ISO

## Key Features

### Measurement Capabilities

- Gasoline Octane Number (RON)
- Gasoline Octane Number (MON)
- Antiknock Index (AKI)
- Diesel Cetane Index
- Pour Point