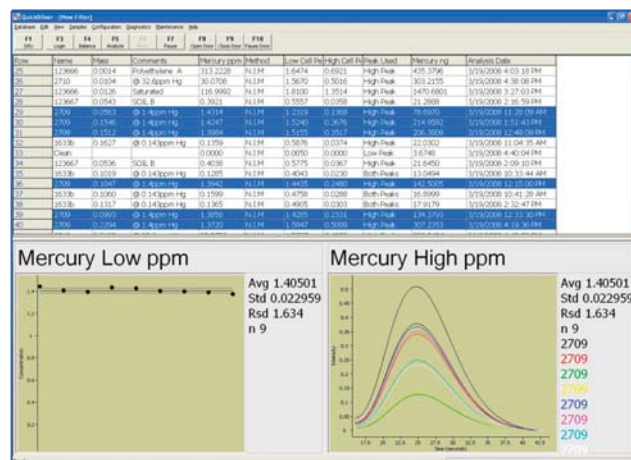
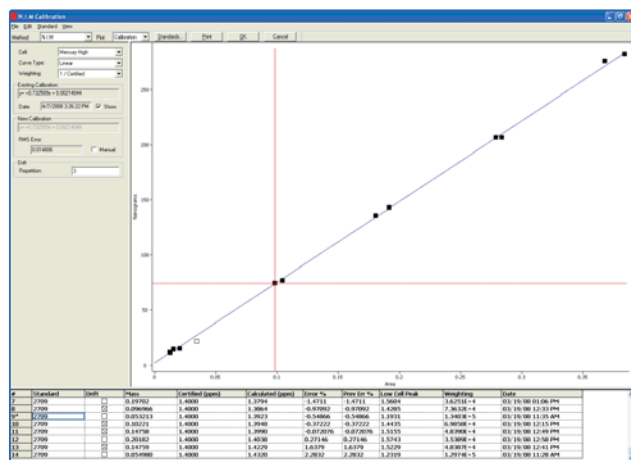


## Easy-to-Use Windows-Based Operating Software Quicksilver

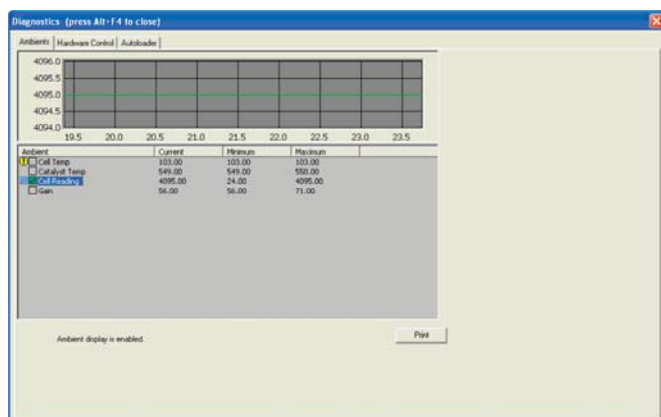
With virtually unlimited storage space and compatibility with various Laboratory Information Management Systems (LIMS), Quicksilver software is designed for seamless interaction with any operator or customer environment. A convenient on-board help manual allows quick access to information without leaving the instrument. The Quicksilver software also supports compliance to FDA regulations 21 CFR Part 11 for a closed analytical system.



Seamlessly manage data and plots with statistical calculations



Perform calibrations and drift corrections



Monitor real-time diagnostics of internal components

The screenshot displays the Method Properties dialog box. It includes fields for Name, Description, and Times. The Times section includes Drying Time, Decomposition Time, and Dosing Delay Time. There are also checkboxes for Cell To Use For Analysis and Metric To Use For Calculations.

Build and customize method parameters for your applications



LECO—Your source for total analytical solutions.



TGA701 Thermogravimetric Analyzer

SC632  
Sulfur/Carbon  
Determinator



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Delivering the Right Results

**LECO**  
AMA254 Mercury Analysis



# AMA254 Mercury Analyzer

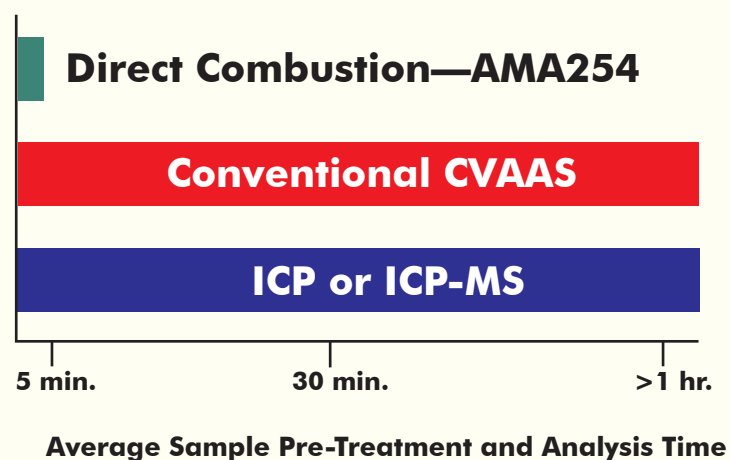
*Your total solution for fast, safe, and accurate mercury determination.*

LECO's AMA254 determines trace amounts of mercury in various materials—including coal, combustion residues, soils, biological samples, and other solid/liquid samples.

The AMA254 technique of direct combustion features a combustion/catalyst tube that decomposes the sample in an oxygen-rich environment and removes interfering elements. A gold amalgamator trap collects all mercury from the evolved gases and a dual-path length cuvette/spectrophotometer specifically determines mercury over a wide dynamic range.

With recent method approvals by the EPA and ASTM, the AMA254 offers a fast, cost-effective alternative to conventional CVAAS or ICP. This unique system combusts various matrices without sample pre-treatment or concentration steps—saving you valuable time. The instrument requires no hazardous chemicals, providing a mercury determination in approximately five minutes.

## AMA254 Time Advantage



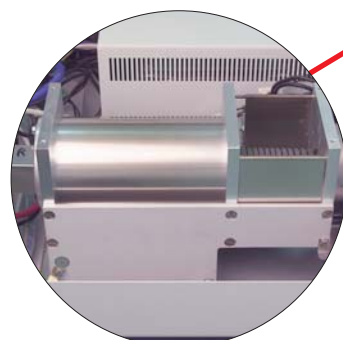
## Service & Support

LECO's state-of-the-art service department offers **SmartLine**® (a remote instrument diagnostic program) and interactive on-line support through our Live Service Chat.



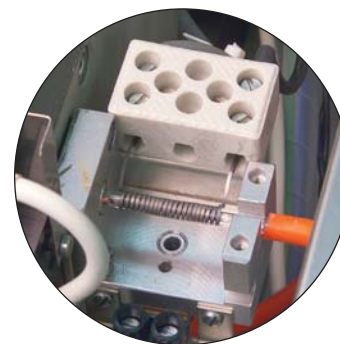
## Combustion/Catalyst Tube

Combustion in an oxygen-rich environment (~750° C).



## Amalgamator

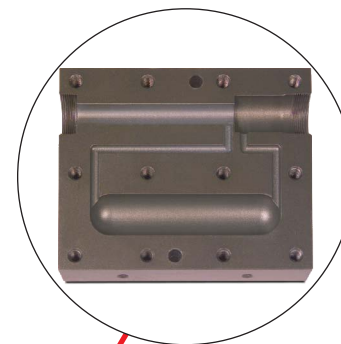
Traps all mercury vapor on a gold-plated ceramic tube; doses the mercury to the cuvette system through flash heating.



## Cuvette System

Detection system based on a standard atomic absorption spectrophotometer at a specific wavelength (253.7 nm).

Dual-path length cuvette expands the dynamic range from the ppb level to the ppm level.



## Sample Boats

Nickel boats hold up to 500 mg of various liquid and solid samples.



## Autoloader

Rotating carousel holds up to 45 nickel sample boats; boats are automatically inserted into the combustion/catalyst tube.



## User Interface

Windows®-based operating software (**Quicksilver**®) with customizable reporting and data exporting capability.

