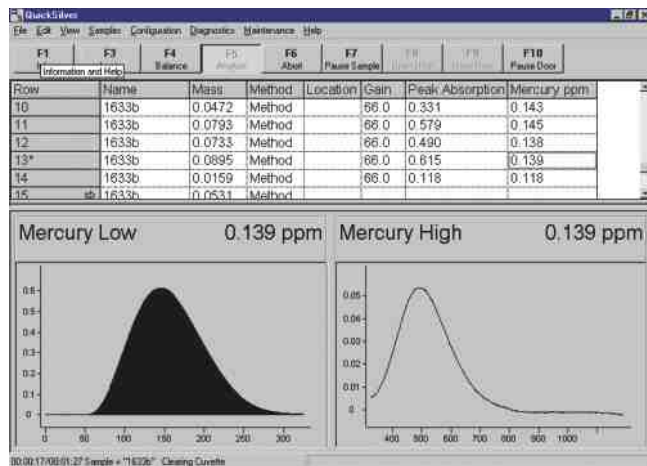
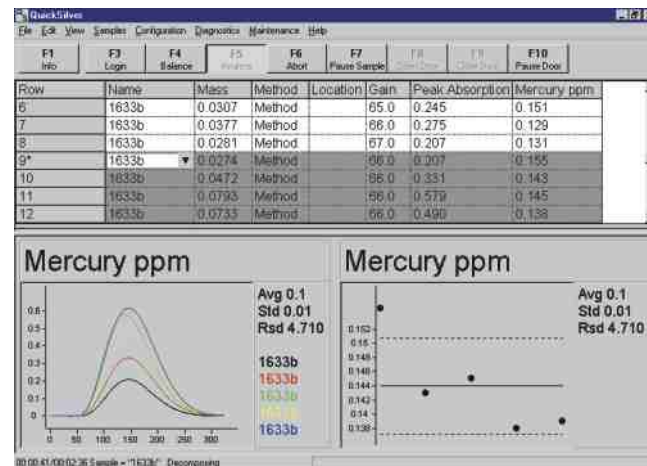


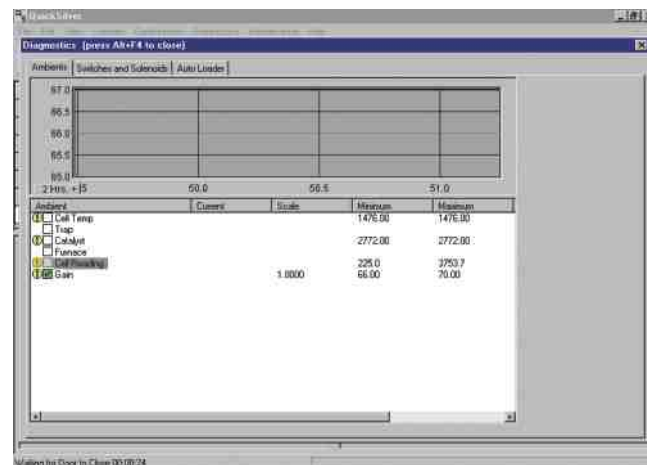
**Windows®-Based Software
AMA254—Quicksilver**



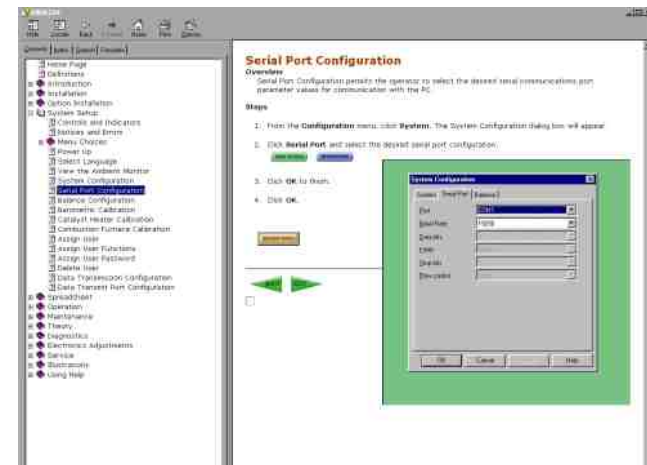
Standard interface incorporates data spreadsheets and sample plots.



Performs statistical analysis quickly.



Real-time diagnostics on internal components.



On-board help manuals provide relevant information quickly and easily.



LECO—Your source for total analytical solutions.

TGA701
Thermogravimetric
Analyzer



SC-144DR
Sulfur/Carbon
Determinator



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info@leco.com • www.leco.com • ISO-9001 • No. FM 24045 • LECO is a registered trademark of LECO Corporation.



LECO®
AMA254 Mercury Analysis

AMA254 Mercury Analyzer

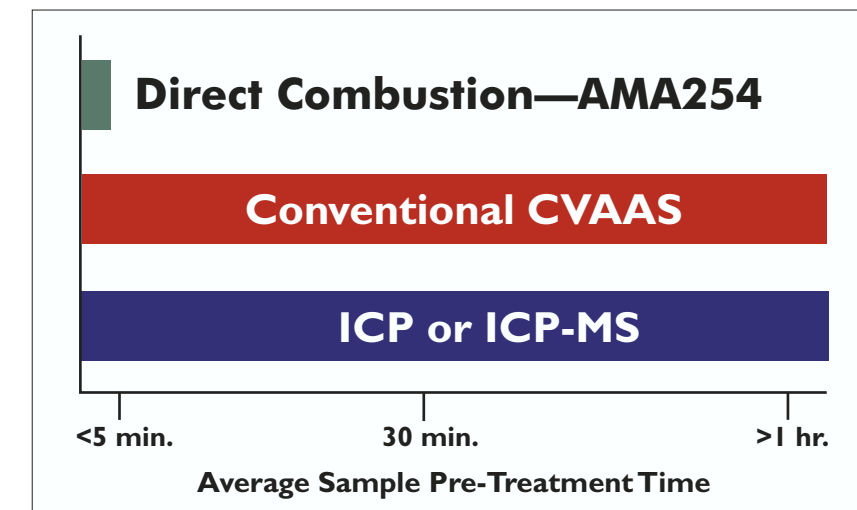
Your total solution for fast, safe, and accurate mercury determination.

LECO's AMA254 determines trace amounts of mercury in various materials—including coal, combustion residues, soils, 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 spikes—saving you valuable time. The instrument requires no hazardous chemicals, providing a mercury determination in less than five minutes.

AMA254 Time Advantage



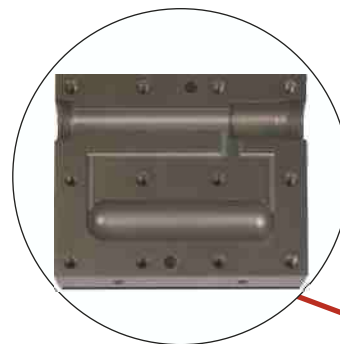
Amalgamator

- 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 sub-ppb level to upper ppm level

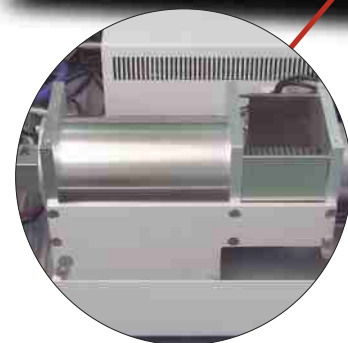
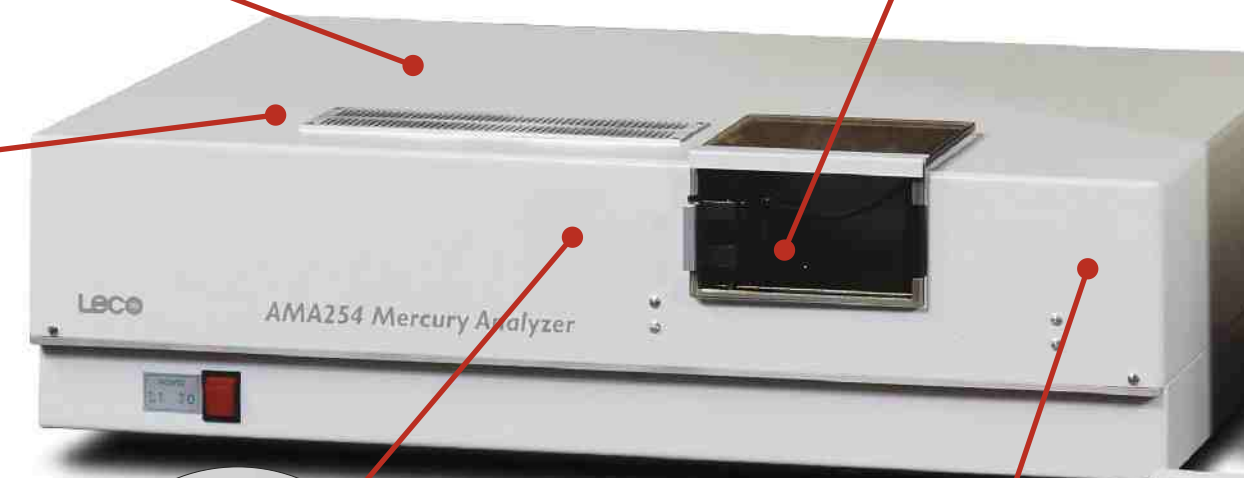


Sample Boats

- Nickel boats hold up to 500 mg of various samples

User Interface

- Windows®-based operating software (**Quicksilver**)
- Optional balance interface



Combustion/Catalyst Tube

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



Autoloader

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

