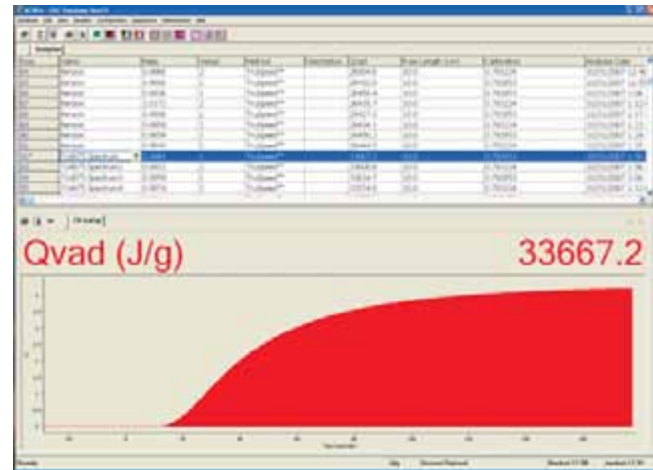
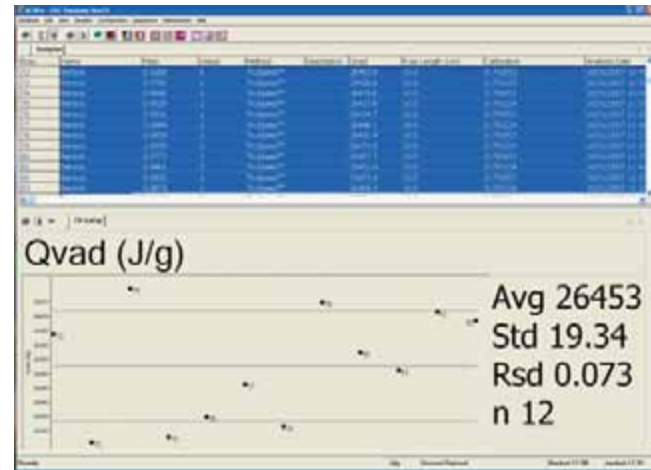


Easy-to-Use Windows®-Based Operating Software

With virtually unlimited storage space and compatibility with various Laboratory Information Management Systems (LIMS), this software is designed for seamless interaction with any operator or laboratory environment. A convenient on-board help manual allows quick access to information without leaving the instrument.



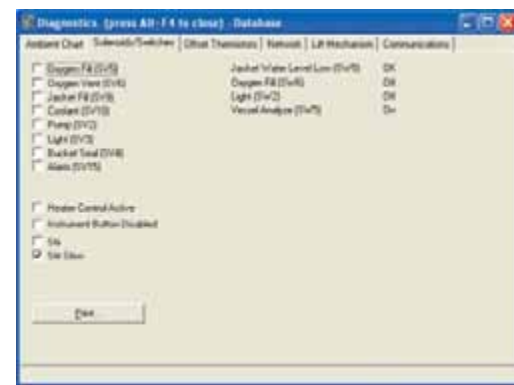
Seamlessly manage data and plots



Integrated control charts and statistical calculations



Monitor real-time internal component readings



Expanded interactive diagnostic screens to aid in troubleshooting and improve serviceability



LECO—Your source for total analytical solutions

The image shows two LECO analytical instruments. On the left is the TGA701 Thermogravimetric Analyzer, a white, boxy machine with a computer monitor and keyboard in front of it. On the right is the SC632 Sulfur/Carbon analyzer, a white, vertical machine with a computer monitor and keyboard in front of it.

TGA701 Thermogravimetric Analyzer

SC632 Sulfur/Carbon

LECO®
AC600 Semi-Automatic Calorimeter

AC600 Semi-Automatic Calorimeter

Built on a collaboration of customer input and sound engineering, the LECO AC600 Semi-Automatic Calorimeter provides fast and accurate calorific results for various organic materials such as coal, coke, fuel oils, and waste materials. Its unique design combines state-of-the-art hardware and software technology with automation and increased ease of operation for improved instrument performance and throughput.

An advanced thermodynamic model (TruSpeed™ mode), optimal automation, superior design, and improved ergonomic elements enable a repeatable, rapid 5.5 minute analysis time without compromising accuracy, precision, operator comfort, or ease-of-use.

AC600 Advantages

A variety of features have been included into the compact design of the AC600 to meet the needs of our customers

Automation

Control of Water Volumes, Heating, Cooling, and Recirculation

Raising, Lowering, and Equilibration of the Vessel

Sealing of the Bucket and Jacket Chambers

Speed and Throughput

TruSpeed™ Mode—Thermodynamic model developed by LECO attains rapid 5.5 minute analysis times without compromising accuracy or precision

Optional Second Vessel Operation—Minimizes down-time by preparing the second vessel and sample while the current sample is being analyzed

New Ergonomic Vessel Design

Reduced Weight—Improves the overall ease of handling the vessel

Vessel Cap Secured Within 1.5 Revolutions—Greatly reduces repetitive motion and speeds vessel preparation

Vessel Station—Integrated vessel charging and depressurization ports, as well as a convenient area for rinsing the vessel and crucible preparation

User-Friendly Windows®-Based Software

Simplified data handling with convenient storage and customizable reporting and data exporting capabilities

Integrated control charting and statistical calculations

User-definable counters to aid in the tracking of routine maintenance procedures and number of firings on the vessels

Expanded real-time service diagnostics

Compatible to SmartLine Remote Diagnostic application

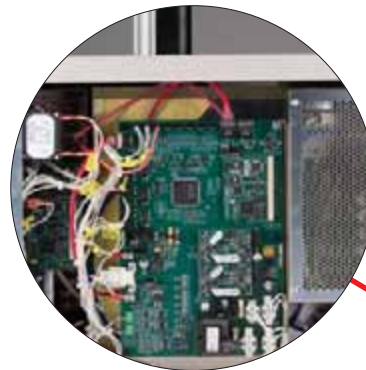
Thermochemical Basis Corrections

Fuse • Nitrogen • Sulfur • Spike • Ash

User-defined calculations to support other basis corrections

ECLIPSE Network Protocol

Links internal system electronics for improved reliability and serviceability. Exceeds FCC and CE requirements.



Ergonomically-Designed Vessel

New vessel design improves vessel handling and sample preparation by reducing the vessel weight and implementing a simple 1.5 revolution vessel cap closure while enhancing the overall strength and heat transfer rate of the vessel.

Simple and clean electrical contact and oxygen port reduces non-ideal thermal contact with bucket head and leak points, improving ease of rinsing vessel cap, and decreasing overall maintenance of vessel.



A novel inflatable seal is used to seal the bucket head, separating the bucket and jacket and ensuring constant volume within the bucket.



User Interface

Easy-to-use Windows®-based operating software controls 2 units per PC.



Vessel Station

Includes integrated oxygen charging and depressurization ports along with wash basin and vessel cap stand—aiding the ease of vessel and sample preparation.