



## 832 Series: Sulfur/Carbon Analysis by Combustion

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LECO's 832 Series will redefine the way you determine carbon and sulfur in coal, coke, cement, soil, fuel oils, and other organic materials. Using extensive customer feedback and innovative engineering, our latest instrumentation takes advantage of an on-board software platform powered by a touch-screen interface, increasing usability and operational control without using valuable bench space.

Additional features—such as a high-efficiency combustion furnace, improved IR cell design, and a robust, rugged design—make the 832 a valuable resource for any laboratory needing fast and accurate analysis of sulfur and/or carbon in organic materials.





# User-Friendly Cornerstone® Brand Software

LECO's exclusive Cornerstone brand software with touch-screen interface enables complete access to analysis control, method settings, diagnostics, reporting, and more in a highly organized, intuitive, and immersive environment. Designed through a collaboration of customer feedback and innovative engineering, Cornerstone features all of the routine day-to-day operations within a single Analysis screen designed for speed and ease-of-use. Our innovative grouping of sample data into sets and replicates simplifies the data output and automatically calculates relevant statistics, alleviating the need for additional data processing.



Analysis

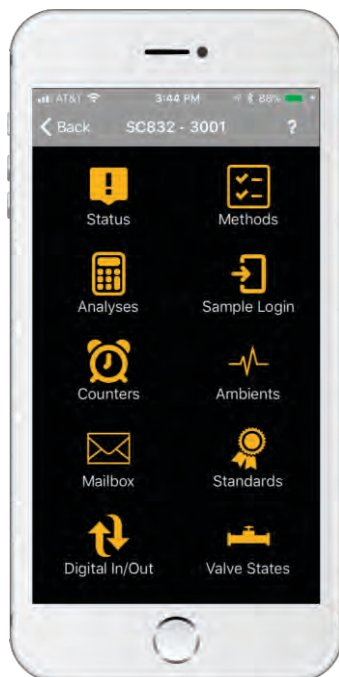
## Software Features & Benefits

The software is divided into four main sections—Analysis, Diagnostics, Settings, and Instrument—for simplified navigation and organization. Toolbars, sliders, and drop-down menus make it easy to set parameters for calibration and data processing. The software also includes real-time monitoring of ambient parameters, with fully animated system diagrams.

Advanced interactive diagnostic features include a thorough digital on-board manual, maintenance animations, photo illustrations, and screen captures that quickly provide the direction needed without having to refer to multiple manuals.

*Cornerstone* also supports a multilingual interface, user permissions, extended data archiving and filtering, compatibility with various Laboratory Information Management Systems (LIMS), and flexible reporting capabilities.

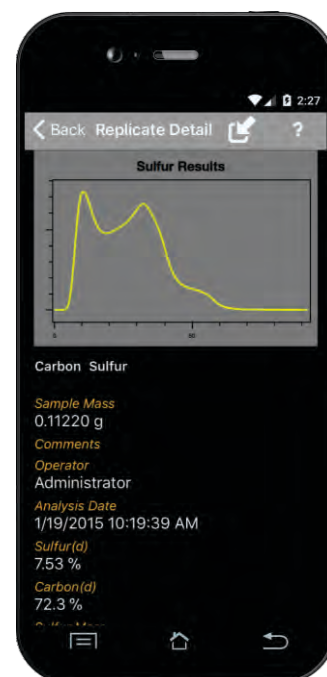
*Diagnostics* ▶ *Ambients*



*Instrument* ▶ *Furnace*

An optional *Cornerstone* Mobile application feature enables remote viewing of the instrument software from a smartphone, tablet, or PC. It can also be programmed to set automatic notifications from the instrument against predefined software conditions using e-mail, text message, or the *Cornerstone* Mobile application.

*Settings* ▶ *Calibration*



## Models

S832	Sulfur Determinator
C832	Carbon Determinator
SC832	Sulfur and Carbon Determinator
S832DR	Dual Range Sulfur Determinator
SC832DR	Dual Range Sulfur with Carbon Determinator
S832HT	High Temperature Dual Range Sulfur with Carbon Determinator
SC832HT	High Temperature Dual Range Sulfur with Carbon Determinator

## Options

Monitor (M)	Instrument mounted touch-screen and six-axis boom mount
Performance Pack (P)	Adds an instrument leak check and electronic back pressure control (All DR instrument models contain performance pack)
Autoloader (L)	100-capacity sample Autoloader

NOTE: Multiple configurations of options are available. Please contact your local LECO Sales Engineer for more details.

## LECO—Your source for total analytical solutions

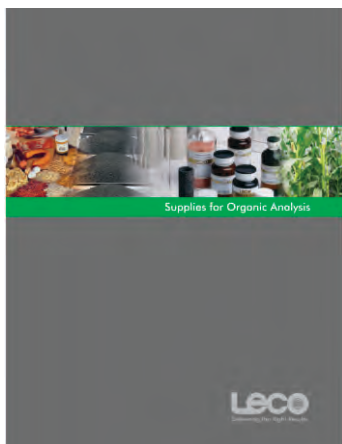


### AC Series Isoperibol Calorimeters

- Accurate calorific measurements
- Ergonomic water-measuring/combustion vessel-filling station
- Analysis time in as little as five minutes
- Meets or exceeds ASTM requirements
- 6,000 to 15,000 Btu/lb for 1 gram sample

### TGA701 Thermogravimetric

- Determines moisture/ash or weight-loss in various organic samples
- Expanded temperature control (up to 1000 °C) with variable atmospheres and ramp rates
- Pneumatic carousel mechanism and ergonomic design increases sample throughput, decreases downtime, and improves serviceability
- Complies with AOAC, AACC, and ASTM-approved methodology



### Organic Consumables

Get the best results from your LECO instrument by using genuine LECO consumables. Visit [www.leco.com](http://www.leco.com) for featured items, specials, and ordering information (Form number 203-828).

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 Delivering the Right Results