

CS230

Carbon/Sulfur Series



Since 1936, LECO has remained the authority in rapid elemental determination by combustion/fusion. Today our field-tested instrumentation features the latest technology and conveniences that have made LECO synonymous with elemental determination in metals.

The LECO CS230 Series is ideal for the smaller, lower-volume laboratory looking for a cost-effective solution without sacrificing precision, reliability, and accuracy. Add the optional fully automatic autoloader to expand usability even further for higher-volume laboratories. Each instrument can be configured to meet your individual lab needs, including carbon-only, sulfur-only, high-carbon/sulfur, low-carbon/sulfur, and high-sulfur determination.

Standard Features

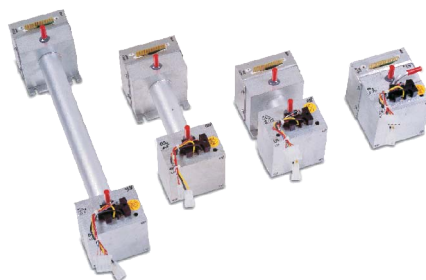
- Automatic leak check and barometric pressure control
- Powerful 18 MHz, 2.2 kW furnace
- Simultaneous carbon/sulfur calibration; blank calculation for each cell and method
- Cleaning counters for reagent changes
- System set-up and checks
- Easy accessibility to calibration, linearization, blank factors, and analysis data
- Approved, recommended method of analysis

Applications

CS230-Series instruments can easily handle most sample forms including solid pieces, powders, millings, and chips.

Carbides
Catalysts
Cast Iron
Ceramics/Sands/Glass
Copper Alloys/Brass
Aluminum Alloys

Ferroalloys
Refractory Metals
Steels
Mold Powders
Lime/Limestone/Ores
Inorganic Materials



With the unique ability to change infrared (IR) cell configurations, the CS230 Series is available with high and low cell range options. Carbon-only and sulfur-only models can be easily upgraded to dual carbon/sulfur determination.



The CS230 can be equipped with the optional shuttle loader, which supports the automated analysis of up to 60 samples.

LECO[®]
Delivering the Right Results

CS230 Carbon/Sulfur Determinator

For dependable accuracy and precision combined with upgrade flexibility for simultaneous carbon and sulfur results, LECO recommends the CS230. This instrument effectively covers ranges from ppm to high-weight percent levels for both carbon and sulfur.

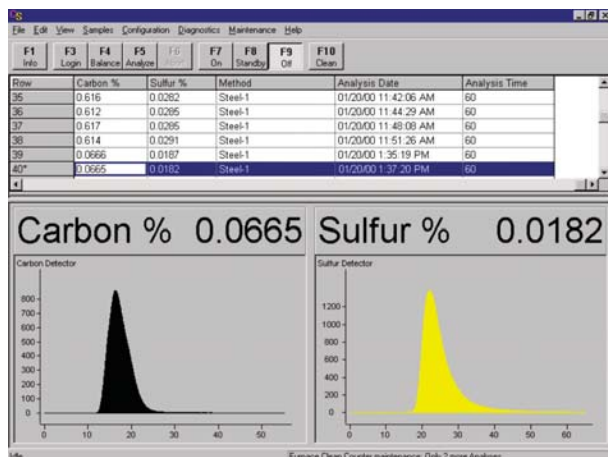
For more information, request Specification Sheet 209-173-001.

C230 Carbon Determinator

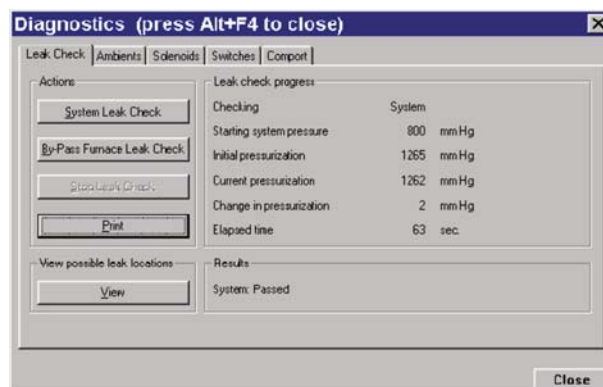
LECO's basic carbon-only determinator for steel, cast iron, ferroalloys, and nonferrous metals. Results are available in as little as 45 seconds. For more information, request Specification Sheet 209-173-002.

S230 Sulfur Determinator

For accurate sulfur-only determination, choose the S230 Series. Measurement by solid-state infrared absorption is complete in less than one minute. For more information, request Specification Sheet 209-173-003.



Custom-designed software for Windows® (bottom) allows access to previously defined ID codes through the sample log-in and analysis screen.



On-board diagnostics ensure minimum downtime. Free service training classes enhance your operator's capabilities.

Elemental Analyzers

Expanded features, including touch operating software and broad range detection, are available on the 744 Series Carbon/Sulfur Elemental analyzers. The 844 Series adds a high-efficiency furnace, dual range detection, and a heated dust filter for rapid combustion, increased range, and improved sulfur recovery. For more information, please contact your sales representative or visit www.leco.com.



Inorganic Consumables

Get the best results from your LECO instrument by using genuine LECO consumables. Visit www.leco.com for featured items, specials, and ordering information (form no. 203-959).

Specifications and part numbers may change. Consult LECO for latest information.

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Delivering the Right Results

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