



ONH836 Series: Oxygen/Nitrogen/Hydrogen by Inert Gas Fusion

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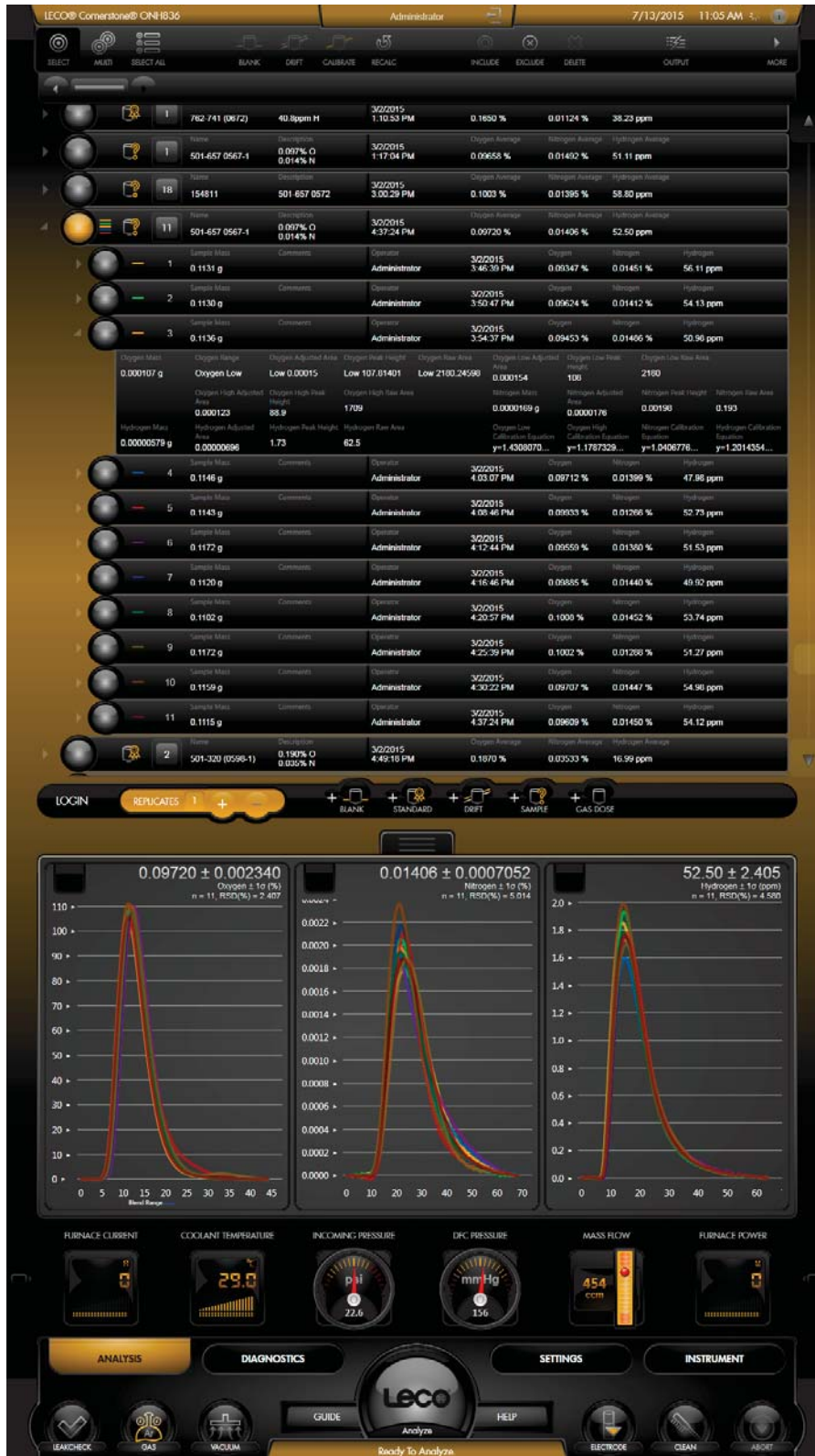
The ONH836 Oxygen/Nitrogen/Hydrogen family of Elemental Analyzers is designed for the simultaneous wide-range measurement of oxygen, nitrogen, and hydrogen content of inorganic materials, ferrous and nonferrous alloys, and refractory materials using the inert gas fusion technique.

These instruments feature our Cornerstone® brand software, designed specifically for touch-screen operation. Developed by combining long-term research with customer feedback, this easy-to-use software gives you complete access to instrument control, analysis settings, diagnostics, reporting, and more—without sacrificing valuable bench space.



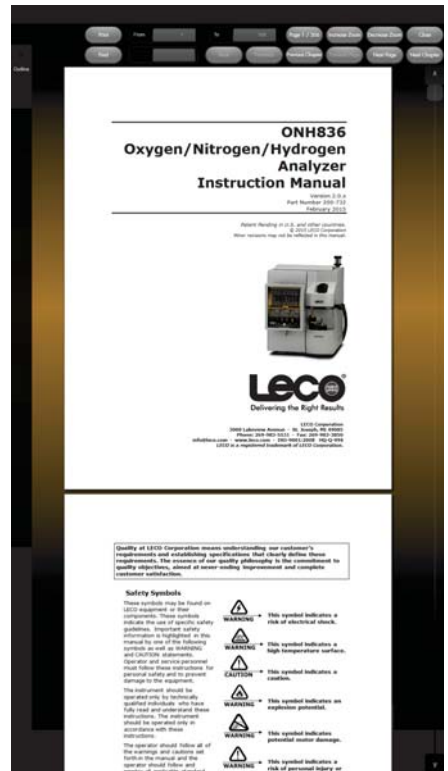
User-Friendly Cornerstone Brand Software

LECO's exclusive Cornerstone brand software with touch interface enables the user to have complete access to analysis control, method settings, diagnostics, reporting, and more in a highly organized and immersive environment. Designed through a collaboration of customer feedback and innovative engineering, Cornerstone allows the user to conduct all of their 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.



Software Features & Benefits

Cornerstone brand 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 ambient monitors, with fully animated system diagrams. Advanced 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 extended data archiving and flexible reporting capabilities.



Instrument Highlights and Features



Shown with touch-screen monitor.



Shown with optional autocleaner and stand-alone touch-screen monitor.

Features and Benefits

- Patented detection system for true simultaneous ONH analysis. One sample and one crucible per analysis with no carrier gas changeovers
- LED light ring illuminates the furnace area
- Quick-removal finish scrubber features automatic bypass valve
- Patented Dynamic Flow Compensation ensures stable flow to the TC detector with high oxygen scrubbing
- Non-touch interface systems also available



High-Efficiency Cooling System

- Reduces or eliminates the need for external cooling
- Dual DC cooling fans provide consistent cooling regardless of line voltage or frequency
- Novel electrode design increases heat transfer efficiency

Optional Automation

- Available autocleaner minimizes the need for manual cleaning between analyses
- Optional 20-sample batch or 100-sample process loaders available
- High-velocity vacuum cleaner design keeps dust and soot to a minimum



Improved Detector Design

- Thermostatic construction provides increased protection from ambient temperature fluctuations
- Optimized emitter control and detection circuitry improves the IR cell lifetime and long-term stability, resulting in superior accuracy and precision
- Oxygen determination with both CO₂ and CO detectors for complete gas characterization and expanded range

Models

ONH836 Oxygen/Nitrogen/Hydrogen Specification Sheet 209-215-001
ON836 Oxygen/Nitrogen Specification Sheet 209-215-002
OH836 Oxygen/ Hydrogen Specification Sheet 209-215-003
NH836 Nitrogen/Hydrogen Specification Sheet 209-215-004
O836 Oxygen Specification Sheet 209-215-005
N836 Nitrogen Specification Sheet 209-215-006
H836 Hydrogen Specification Sheet 209-215-007

Options

Sample Autoloader	Printer	Interfaced Balance Kit	SmartLine Remote Diagnostics
Recirculating Chiller	Power Purifier	Liquid-to-Liquid Heat Exchanger	

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

LECO—Your source for total analytical solutions

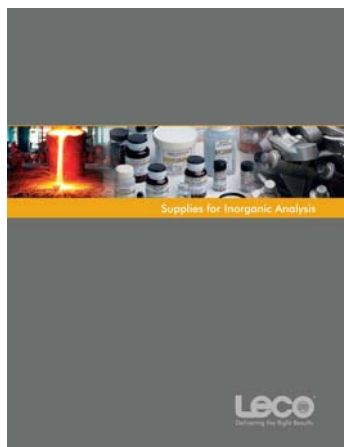


CS844 Series: Carbon/Sulfur by Combustion

- Carbon and sulfur determination by combustion infrared detection
- Quick, accurate, and affordable determination for both production control and research
- Calibration, analysis, evaluation, and diagnostic functions accessible via user-friendly Cornerstone brand software

GDS500A and GDS850A Atomic Emission Spectrometers

- Spectral range from 120 to 800 nm
- Continuous profile of concentration/thickness
- Large, dynamic range with concentrations from ppm to 100% by weight
- Short analysis time (minutes)



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 number 203-959)

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