



736 Series: Oxygen/Nitrogen by Fusion

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The 736 family of Elemental Analyzers is designed for routine measurement of oxygen and nitrogen content of inorganic materials, ferrous and nonferrous alloys, and refractory materials using the inert gas fusion technique.

These instruments feature Cornerstone® software, a custom interface 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.



Shown with optional autocleaner and touch-screen.

User-Friendly Cornerstone Software

LECO's exclusive Cornerstone software 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 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 software also supports extended data archiving and flexible reporting capabilities.



Instrument Highlights and Features



Shown with optional autocleaner and touch-screen.



Shown with optional autocleaner.

Features and Benefits

- LED light ring illuminates the furnace area
- Choice of either argon or helium carrier gas
- Novel electrode design increases heat transfer efficiency for increased stability
- Non-touch interface systems are also available
- User-friendly Cornerstone software

High-Performance Detector Design

- Thermostatic construction provides increased protection from ambient temperature fluctuations
- Long-life emitter drive and drift-free detection circuitry improves long-term stability
- Infrared detection for the determination of oxygen, thermoconductivity detection for the determination of nitrogen



Shown with optional autocleaner, autoloader, and touch-screen.

Optional Features

- Optional boom-mounted touch-screen interface package (M) promotes an ergonomic workspace
- Optional Performance Package (P) adds a three-stage carrier gas purification system, and a dual-loop gas dose module
- Optional Dual Cooling Package (D) adds an integrated liquid-to-air radiator with dual DC cooling fans. This option gives the user the choice of liquid-to-liquid cooling, liquid-to-air cooling, or a combination of both
- Optional integrated autocleaner (H) automatically cleans the upper electrode and lower electrode tip
- Optional 20-sample shuttle loader available

Models

ON736 Oxygen/Nitrogen Specification Sheet 209-237-001

O736 Oxygen Specification Sheet 209-237-002

N736 Nitrogen Specification Sheet 209-237-003

Options

Gas Regulators	Printer	SmartLine Remote Diagnostics
Recirculating Chiller	Power Purifier	Interfaced Balance Kit

LECO—Your source for total analytical solutions



CS844 and CS744 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 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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