

736 Series

Oxygen/Nitrogen by Inert Gas Fusion



LECO
EMPOWERING RESULTS

736 Series – Oxygen/Nitrogen by Inert Gas Fusion

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

These instruments feature our CORNERSTONE® brand 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.



User-friendly CORNERSTONE® Brand Software

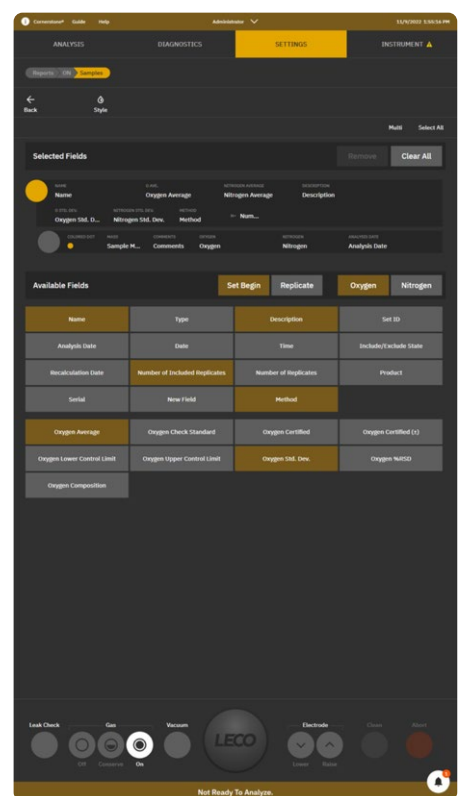
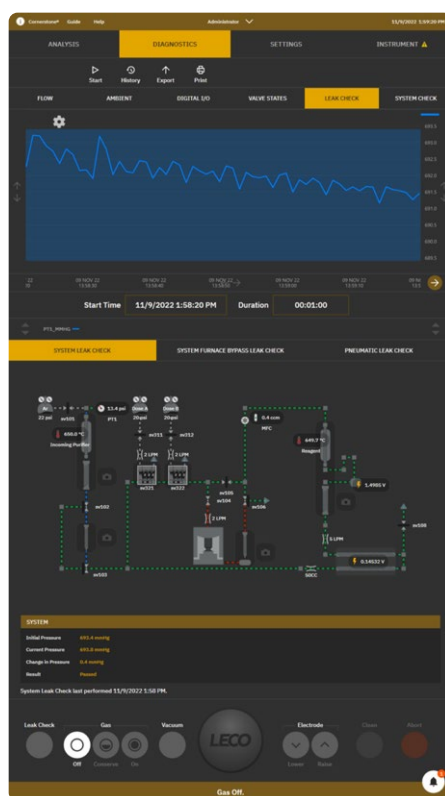
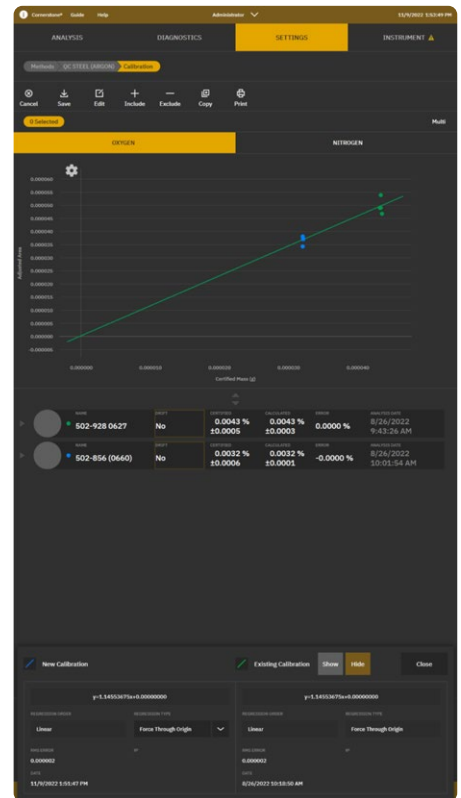
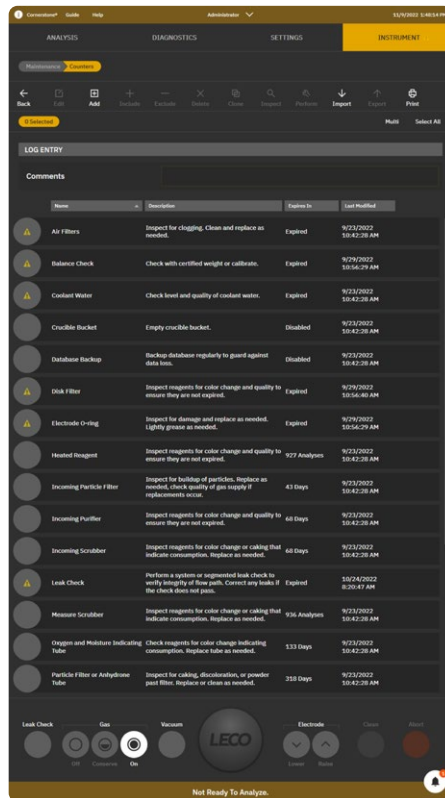
LECO's exclusive *Cornerstone* brand software with touch-screen interface enables complete access to analysis control, method settings, diagnostics, reporting, and more in a highly organized, intuitive, and immersive environment. Designed through a collaboration of customer feedback and innovative engineering,

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.



Software Features & Benefits

- CORNERSTONE® brand software is divided into four main sections – Analysis, Diagnostics, Settings, and Instrument – for simplified navigation and organisation
- 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

- 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* brand software



Shown with touch-screen monitor



Shown with optional auto-cleaner and stand-alone touch-screen monitor





High-Performance Detector Design

- Thermostatic construction provides increased protection from ambient temperature fluctuations
- Optimised emitter control and detection circuitry improves the IR cell lifetime and long-term stability, resulting in superior accuracy and precision
- Infrared detection for the determination of oxygen, thermoconductivity detection for the determination of nitrogen



Shown with optional auto-cleaner and auto-loader

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 auto cleaner (H) automatically cleans the upper electrode and lower electrode tip
- Optional 20-sample shuttle loader available



Models

ON736 Oxygen/Nitrogen

O736 Oxygen

N736 Nitrogen

Options

Gas Regulators	Printer	CORNERSTONE® Mobile
Recirculating Chiller	Power Purifier	Interfaced Balance Kit

Multiple configurations of options are available.

Please contact your local LECO Sales Engineer for more details.

LECO – Your Source for Total Analytical Solutions



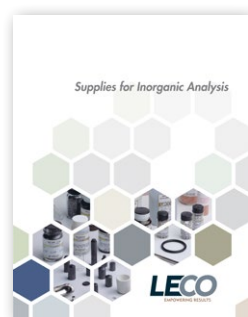
CS844 Series: Carbon/Sulfur by Combustion

- 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



GDS900 Atomic Emission Spectrometers

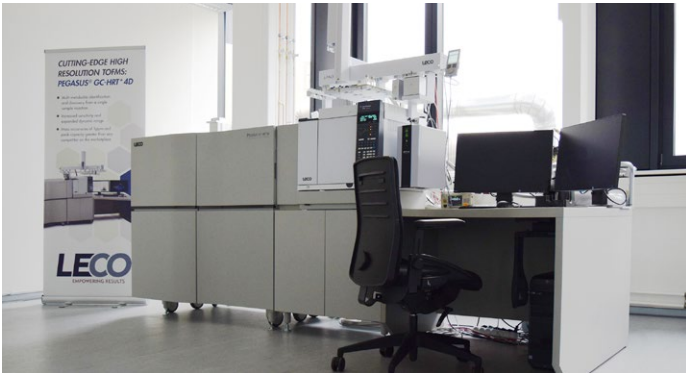
- Spectral range from 120 to 850 nm
- Continuous profile of concentration/thickness
- Large, dynamic range with concentrations from ppm to 100% by weight
- Short analysis time (minutes)



Inorganic Consumables

Get the best results from your LECO instrument by using genuine LECO consumables. Visit eu.leco.com for featured items, specials, and ordering information. (Form number 203-959)

A Commitment to Quality and Service



Our global network of sales and support includes over 25 subsidiaries worldwide, and is dedicated to customer service and satisfaction. Our commitment to quality is further underscored with ISO-9001:2015 certification. We conform to CE quality and safety specifications, fully testing instruments at our on-site Compliance Testing Centre.

European Application and Technology Center, Berlin – Germany

Training Classes



Get the most out of your LECO instrument with instrument-specific training classes offered from LECO. Typical classes feature a comprehensive overview of the theory of operation, method development, method optimisation, and proper maintenance for each instrument class. A variety of advanced features are also presented, including quantitation, user library creation, and reporting. Classes also allow for networking opportunities and the ability to learn from other users of our products. Currently available workshops and training courses are listed on our website:

eu.leco.com/events/tradeshows-conferences

eu.leco.com/events/workshops

“Everyone is very knowledgeable (brilliant, if I may say!) and willing to help with any questions/problems. I am amazed at and extremely happy with the high level of service LECO provides.”

LECO Customer and Class Participant

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