

828 Series

Elemental Analysis by Combustion



LECO
EMPOWERING RESULTS

828 Series: Elemental Analysis by Combustion

By incorporating state-of-the-art hardware and an on-board, touch-screen software platform, the 828 Series allows you to easily handle a wide range of sample applications while significantly increasing your productivity. Available in carbon/nitrogen, nitrogen/protein, and carbon/hydrogen/nitrogen configurations, the core capabilities and performance of previous generations of LECO macro combustion instruments have been maintained, while key improvements have been made in throughput, uptime, and reliability. All 828 Series models are compatible with the S832 add-on providing independent sulfur determination. Macro sample mass capability paired with cycle times as fast as 2.8 minutes make the 828 an ideal instrument for a diverse applications base, while delivering unparalleled sample analysis throughput.



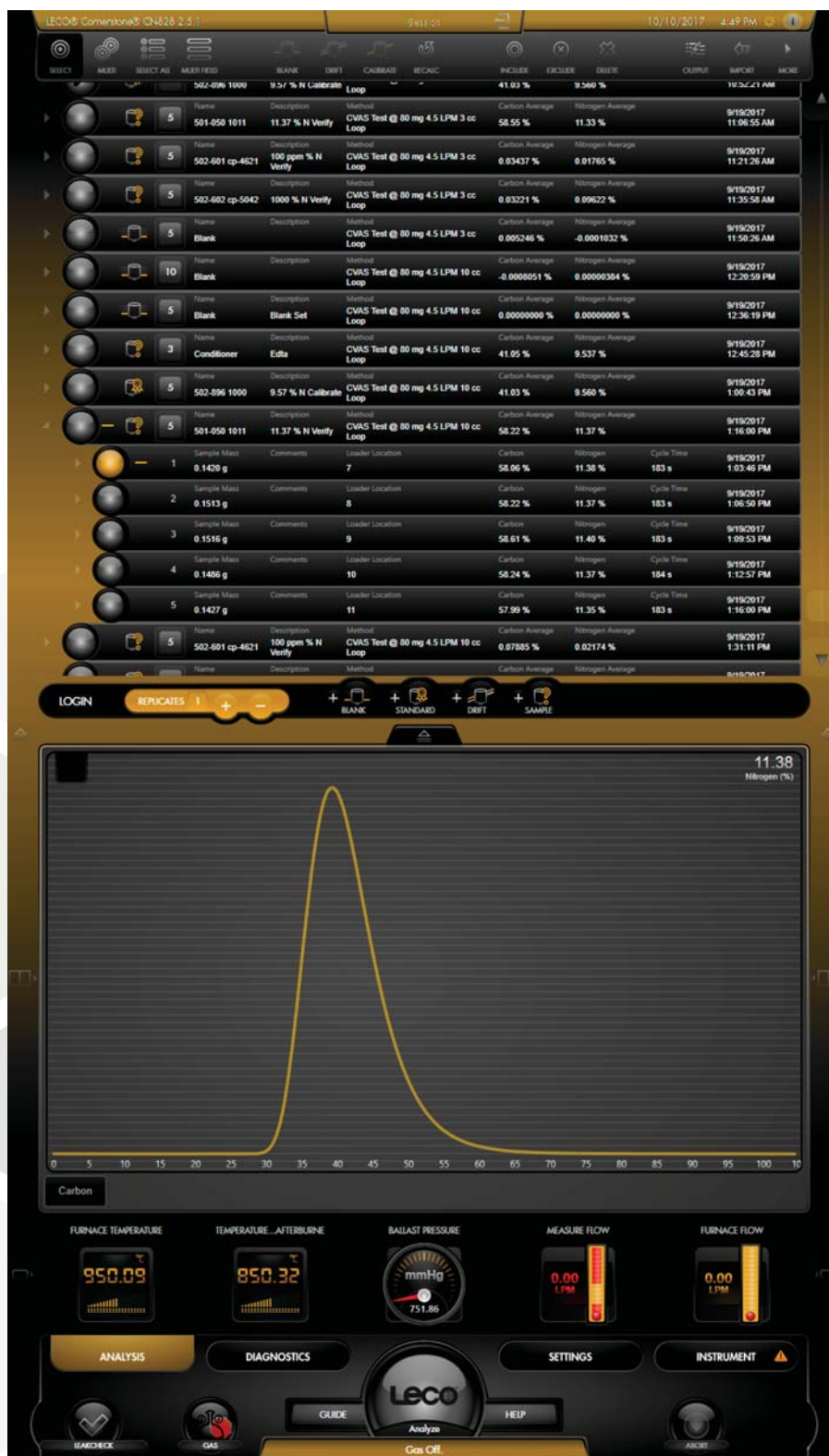
Maximize lab efficiency and productivity with unmatched sample throughput coupled with superior instrument uptime.

- Rapid cycle time of 2.8 minutes for FP/CN models
- Extended reagent lifetimes, including a reduction reagent tube lifetime of over 4,000 samples
- Rugged 30-sample position autoloader with optional expanded capacity for up to 120 samples



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

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 and onboard training videos.

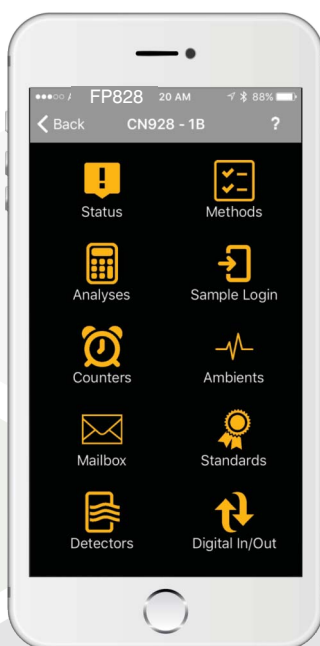
Advanced interactive diagnostic features include a thorough digital on-board manual, maintenance animations, photo illustrations, and screen captures that quickly provide the direction needed without having to refer to multiple manuals.

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. Compliance to FDA regulations 21 CFR Part 11 for a closed analytical system is also supported.

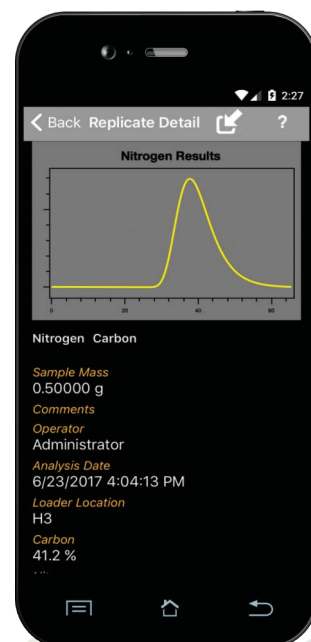
Diagnostics ▶ Ambients

Instrument ▶ Furnace

Settings ▶ Calibration



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.



Model Availability

Available in various models, the 828 Series is ideal for a diverse applications base and is compliant with ISO, AOAC, AACC, AOCS, and ASBC approved methods of analysis.



FP828

The FP828 delivers fast, accurate, and precise detection of nitrogen/protein in a wide range of food, feed, and other organic matrices, with an analysis cycle time of 2.8 minutes.

- Feeds
- Petfood
- Milled products

CN828

The CN828 delivers fast, accurate, and precise detection of carbon and nitrogen analysis in environmental and agricultural samples with an analysis cycle time of 2.8 minutes.

- Soil
- Plant tissue
- Sediments



CHN828

Determination of carbon, hydrogen and nitrogen in energy, fuels, and specialty materials performed quickly and conveniently using the versatile CHN828.

- Coal
- Coke
- Oils

Organic 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 203-828).



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