



For Immediate Release
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CHN628 Series: Elemental Analysis by Combustion

St. Joseph, Mich.—By incorporating state-of-the-art hardware and software technology with key improvements in overall instrument performance and reliability, the CHN628 Series makes it possible to achieve fast results in organic matrices from food to fuels.

For optimum versatility, this instrument is available in flexible configurations—nitrogen/protein, carbon/nitrogen, and carbon/hydrogen/nitrogen. An optional sulfur add-on module provides independent sulfur determination for macro samples up to 350 mg in less than two minutes. An optional liquid autosampler provides seamless operation for liquid sample analysis up to 1 mL.

The CHN628 Series incorporates features designed to maximize throughput while keeping cost-per-analysis low. The unique combustion gas handling and aliquot dosing system significantly extends the lifetime of the reagents used, eliminating the need for chromatographic separation techniques and other costly whole-gas analyses. A simple, gravity-fed autoloader allows for unattended analysis, while increasing long-term reliability of the loader. Independent detectors are used for simultaneous elemental determination, resulting in rapid analysis times.

For the operator, the instrument provides enhanced accessibility and ease-of-use. For safety and convenience, reagent and reduction tubes are located on the front side of the instrument behind a cabinet door, along with specially designed tools and storage to aid in performing maintenance tasks. The easy-to-use CHN628 software offers simplified data handling, customizable data reporting and exporting, and a number of user-defined settings, all with tools for compliance to FDA regulations 21 CFR Part 11 for a closed analytical system.

For more information about the CHN628 Series, visit www.leco.com.