

TCH600 Nitrogen/Oxygen/Hydrogen Series

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The Benchmark for Simultaneous Nitrogen/Oxygen/Hydrogen Determination

LECO seamlessly combines innovative technology with proven performance to bring you the state-of-the-art TCH600 Nitrogen/Oxygen/Hydrogen series of determinators. Simultaneous N/O/H determination for a wide variety of metal and inorganic applications is ideal for both production and research environments.

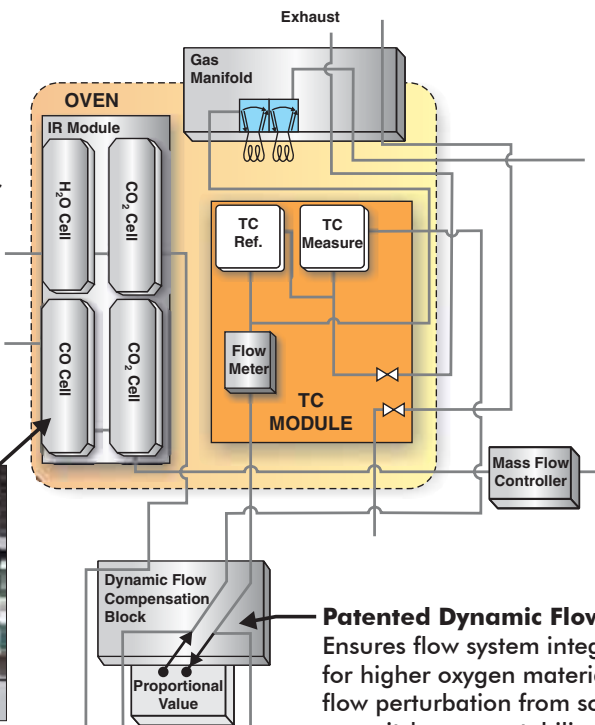


Optional Batch Autoloader or Cassette Autoloader

Expand your laboratory's performance and productivity with an optional 20-crucible batchloader or 100-crucible cassette loader (cassette loader shown).

Advanced Features

- Solid-state non-dispersive infrared (IR) and thermal conductivity (TC) detectors
- Auto high/low range switchover
- Maximized sample size
- Exclusive ECLIPSE network protocol designed by LECO to seamlessly link peripheral system electronics



Patented Dynamic Flow Compensation

Ensures flow system integrity and improves accuracy for higher oxygen materials. Eliminates analytical flow perturbation from scrubbing or switchover, with no switchover or stabilization downtime required.

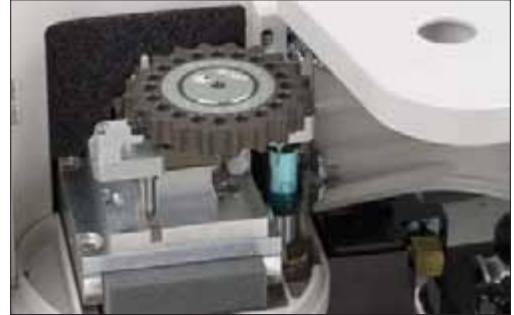


Reagent Train

The use of bigger linear tubes helps reagents last longer and improves analyte and carrier gas flow, minimizing downtime and peak-broadening. Safely located behind the cabinet door.

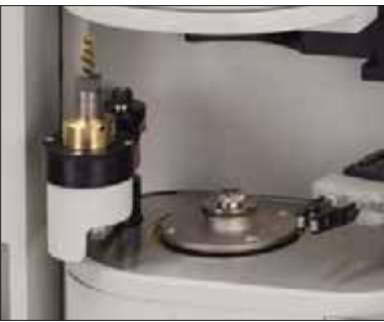
Integral Sample Loading Area

The sample loading area minimizes atmospheric contamination during sample introduction, simplifies routine sample drop mechanism maintenance, and ensures carrier gas purity.



Programmable Autocleaner

Cleans lower and upper electrodes simultaneously ensuring greater sample-to-sample consistency. Also minimizes the need for manual cleaning between samples. (optional)

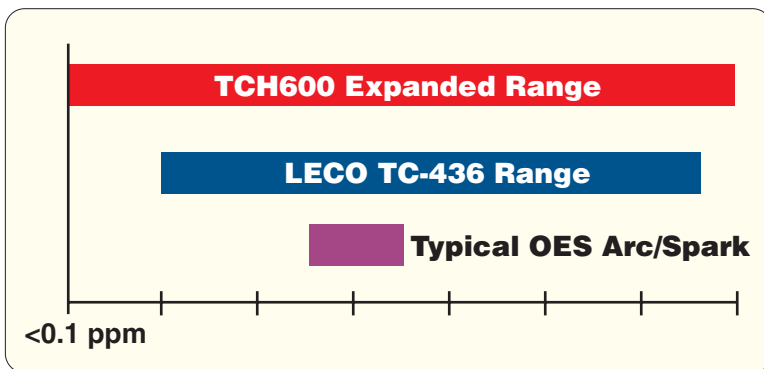


SmartLine[®] Remote Diagnostics

Internet-based support connection between your system and a trained LECO service specialist minimizes downtime, potentially eliminating the need for costly on-site service calls. (optional)



TCH600-Series Performance Advantage

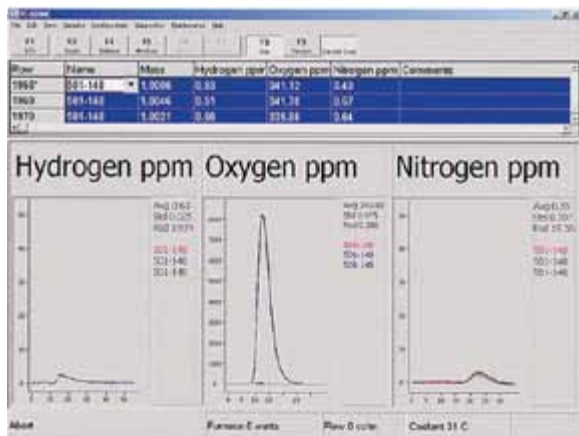


- Lower detection limits and expanded instrument ranges
- Optimal accuracy and precision
- Reduced maintenance
- Smaller instrument footprint
- Pre-defined application techniques

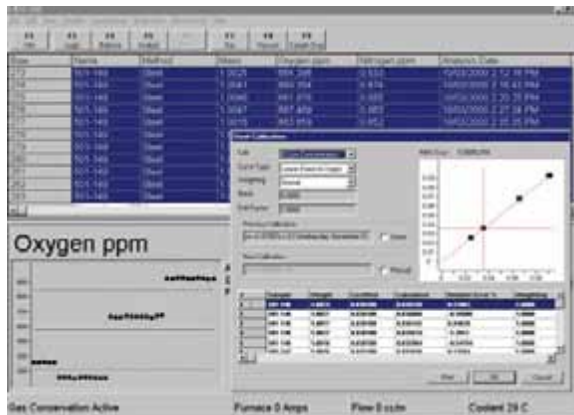
- Patented LECO technology is incorporated into the sample loading head, dynamic flow compensation, and both IR and TC detection systems
- Oxide separation capability ensures that all oxides released from the sample are measured

User-Friendly Software

Toolbars and drop-down menus make it easy to set parameters for calibration, method development, and data processing. The PC interface also includes advanced diagnostics, extended archiving, and flexible reporting capabilities. A thorough on-board manual, including illustrations and screen captures, quickly gives you the direction you need without having to leave your instrument.

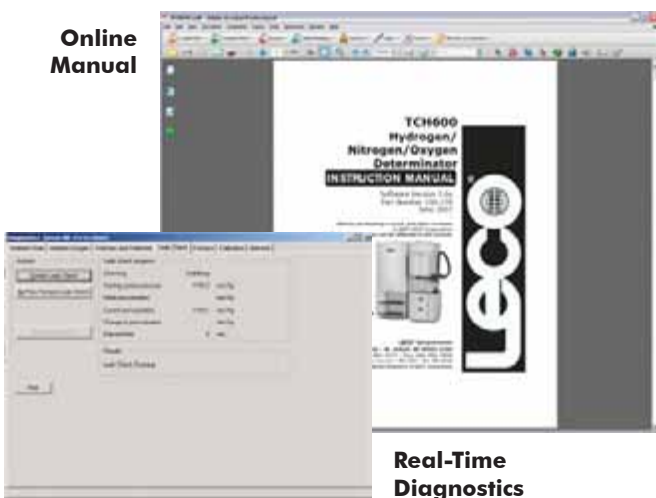


Main interface screen incorporates sample data and individual element plots

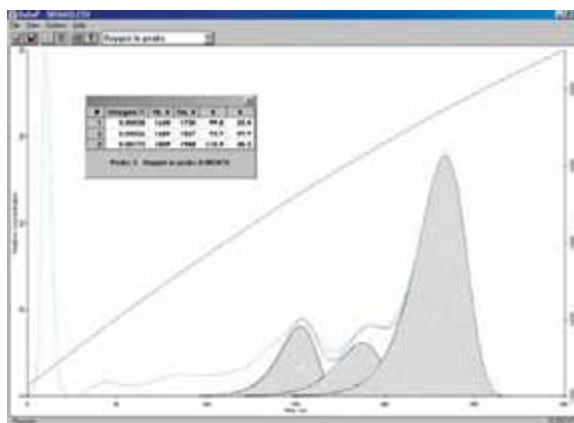


Calibration screen detailing the calibration curve along with individual data points.

Online Manual



Real-Time Diagnostics



Exclusive OxSeP software details the evolution of oxide forms, deconvoluting the resulting peaks

Instrument Models/Configurations*

TCH600	Nitrogen/Oxygen/Hydrogen Determinator (request specification sheet 209-105-004)
TC600	Nitrogen/Oxygen Determinator (request specification sheet 209-105-001)
ROH600	Oxygen/Hydrogen Determinator (request specification sheet 209-105-007)
TN600	Nitrogen-only Determinator (request specification sheet 209-105-003)
RO600	Oxygen-only Determinator (request specification sheet 209-105-002)
RH600	Hydrogen-only Determinator (request specification sheet 209-105-005)
ROSi600	Low-Level Oxygen Determinator (request specification sheet 209-105-011)

* Instrumentation for large volume samples also available; request brochure (209-209)

Options

Inkjet Printer	Analytical Balance Kit	-Smart/Line® Remote Diagnostics
Batch/Cassette Autoloaders	Autocleaner	External Recirculating Chiller

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Delivering the Right Results

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