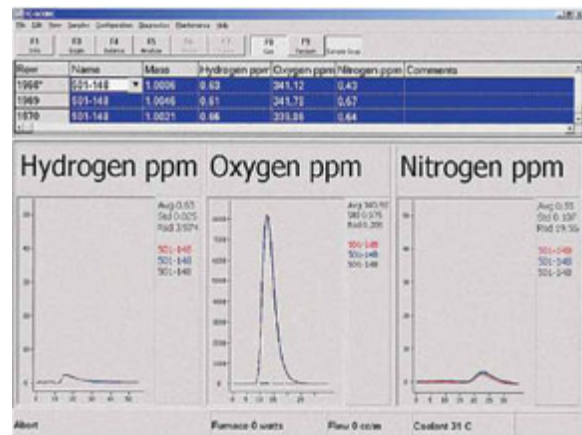
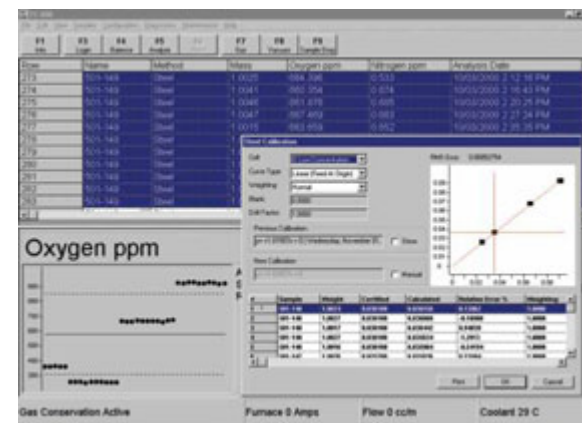


## Windows®-Based Software

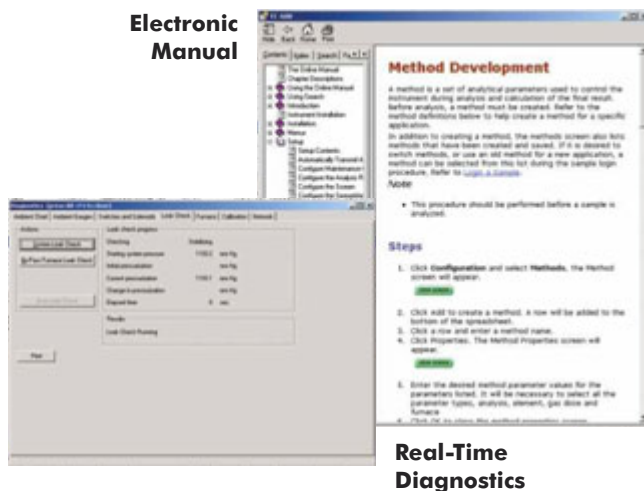
The Windows® toolbars and drop-down menus make it easy to set parameters for calibration, method development, and data processing. The PC interface also includes advanced diagnostics, extended archiving, and flexible reporting capabilities. A thorough on-board manual, including illustrations and screen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



Standard interface incorporates data spreadsheet and sample plots

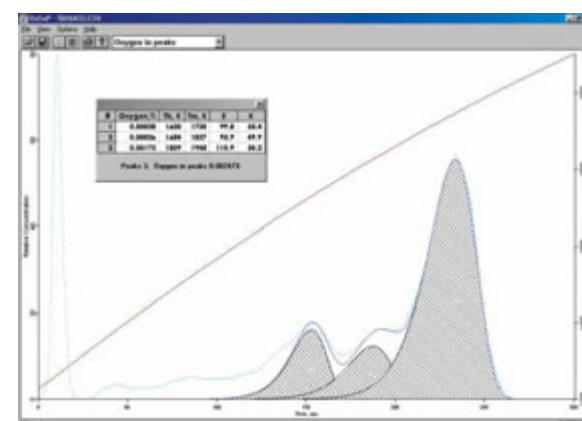


Calibration Screen detailing linear, multi-point calibration



Electronic Manual

Real-Time Diagnostics



Exclusive OxSeP Software details evolution of oxide forms

## Instrument Models/Configurations

**TCH600 Nitrogen/Oxygen/Hydrogen Determinator** (request specification sheet 209-105-004)

**TCHEN600 Nitrogen/Oxygen/Hydrogen Determinator** (request specification sheet 209-105-009)

**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)

## Options

Dot Matrix or Inkjet Printer  
Process/Cassette Autoloaders

Interfaced Balance Kit  
Autocleaner

**SmartLine®** Remote Diagnostics

3000 Lakeview Avenue • St. Joseph, MI 49085-2396 • Phone: 800-292-6141 • Fax: 269-982-8977  
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Delivering the Right Results  
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**LECO**®  
TCH600 Nitrogen/Oxygen/Hydrogen Series

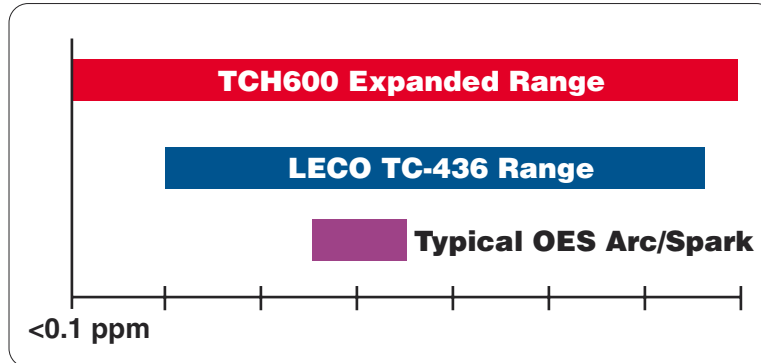


# TCH600 Nitrogen/Oxygen/Hydrogen Series

## The Benchmark for 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. Advanced N/O/H determination for a wide variety of metal and inorganic applications—ideal for both production and research environments.

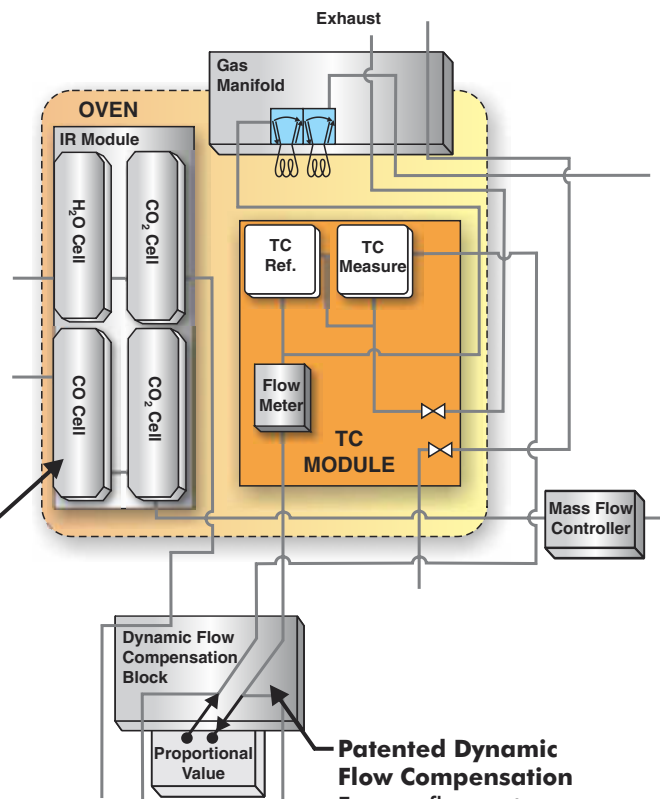
### TCH600-Series Performance Advantage



- 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 the IR and TC detection systems
- Hydrogen speciation capability ensures that all forms of hydrogen released from the sample are measured

### Advanced Features

- Re-engineered solid-state infrared (IR) and thermal conductivity (TC) detectors
- Auto high/low analyte detection
- 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 improved accuracy for higher-level oxygen materials. Eliminates potential leaks from switchover, with no switchover or stabilization downtime required.



**Easy-To-Use Windows®-Based Operating System**  
Maximizes flexibility for production and research applications.

**Integral Sample Loading Area**  
The sample loading area minimizes system blanks, simplifies routine maintenance, and optimizes carrier gas purity.



**Reagent Train**  
Reagents last longer and improve analyte and carrier gas transfer. Safety protected behind cabinet shield.



**Programmable Autocleaner**  
Cleans lower and upper electrodes simultaneously ensuring greater sample-to-sample consistency.



**Patented Process Autoloader or Cassette Autoloader**  
Expand your laboratory's performance and productivity with the optional process autoloader. The pre-loaded crucible drop-cartridge increases efficiency and convenience. A cassette autoloader is also available.



**SmartLine® Remote Diagnostics**  
Allows LECO service to connect directly to your instrument for quicker solutions and minimized downtime.



**Powerful Electrode Impulse Furnace**  
Control by power, current, or temperature. Rampable for separation of oxide/nitride forms.

**Graphite Crucible Flexibility**  
Optimizes analyte recovery for a wide variety of applications.

