

TC500-Series

Nitrogen/Oxygen Determinator



Quality, performance, and technology to meet your everyday production needs for Nitrogen/Oxygen determination in metals, refractories, and other inorganic materials.

TC500 Performance Advantage

- Improved solid-state infrared (IR) and thermal conductivity (TC) detector
- Powerful electrode impulse furnace controlled by power, current, or temperature; rampable
- Compatible with either Helium or Argon carrier gas (dependent on configuration)
- Stable calibrations with standards/gas dosing optional
- Accuracy and precision to sub-ppm levels
- Low system blanks with improved loading head
- Safety-protected reagent train
- Reduced maintenance with improved gas transfer
- Small instrument footprint
- Upgradable from single to dual-element detection
- Easy-to-use Windows®-based operating system maximizes flexibility for production and research applications
- ~~SmartLine~~® Remote Diagnostics allows LECO service to connect directly to your instrument for quicker solutions and minimized downtime



Reagents last longer and improve analyte and carrier gas transfer.



The sample loading area minimizes system blanks, simplifies routine maintenance, and optimizes carrier gas purity.



Delivering the Right Results

TC500-Series Instruments

TC500 Nitrogen/Oxygen Determinator

The TC500 measures nitrogen and oxygen in a wide variety of metals, refractories, and inorganic materials. *Reference specification sheet 209-104-001 for more information.*

RO500 Oxygen-Only Determinator

A solid-state infrared (IR) cell determines oxygen concentration for ferrous and nonferrous materials, refractory metals, high-temperature alloys, ceramics, catalysts, and nitrides.

Reference specification sheet 209-104-002 for more information.

TN500 Nitrogen-Only Determinator

If nitrogen is your primary element of interest, choose the new TN500. Nitrogen is accurately measured by a state-of-the-art thermal conductivity (TC) cell. *Reference specification sheet 209-104-003 for more information.*

*Specifications and part numbers may change.
Consult LECO for latest information.*

3000 Lakeview Avenue • St. Joseph, MI 49085 • Phone: 800-292-6141 • Fax: 269-982-8977
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