LECO GDS500A

Technology designed for routine production, process, and quality control

LECO’s CCD-based Glow Discharge Atomic Emission Spectrometer (AES) offers you state-of-the-art technology designed specifically for routine elemental determination in most ferrous and nonferrous materials. The GDS500A features improved performance, stability, accuracy, and precision in steel, iron (including as-cast), aluminum, copper, zinc, nickel, cobalt, tungsten, and titanium. Low melting alloys, resulfurized steel, powder metals, and other difficult materials can be run in a production environment.

Sample types include bulk, sheet, wire, pressed, and mounted samples. Sample holders are available to meet non-standard sample forms.

LECO GD-AES Advantage

- Linear calibrations with wide dynamic range
- Uniform sample excitation offers improved precision
- Freedom from metallurgical history
- Low Ar gas consumption reduces cost per test
- Separation of sample sputtering from excitation
- Quick matrix change with minimal memory effects
- Auto cleaning between analyses
Simple, Linear Calibrations
GD-AES provides narrow emission lines, less interference, and less complex spectra when compared to other sources.

Interchangeable Anodes
Choice of 4 mm and 2 mm anodes to optimize spot size to sample size and type.

Solid-State Technology
LECO’s exclusive CCD-based design ensures stability, flexibility, and performance for ferrous and nonferrous applications. Full wavelength coverage from 165 nm to 460 nm.

Controlled Excitation
GD-AES provides a non-thermal source to uniformly remove sample material from the surface. Excitation of the sample occurs away from the surface, reducing chemical and metallurgical effects.
Easy-To-Use Windows®-Based Operating Software

User-Defined Quality Control and Flexible Interface

★ = Passes acceptance criteria ▼ = failed acceptance criteria • Review analyses and statistics in a table or graphical format • User options easily customized to print, transmit, and store results.

On-Board Help Manual for Quick Reference

Windows®-Based, Quality Control Oriented Software

Offers user-defined quality control features for analysis and acceptance to match your requirements. On-board help manual and available –SmartLine® Remote Diagnostics add convenience and ease-of-use.

Options

• Touchscreen color monitor
• Deskjet/dot matrix printer kits
• SmartLine® Remote Diagnostics
• Sample holders
• Sample preparation equipment

Sample Holders

A variety of sample holders are available to meet your needs.