



GDS500A Glow Discharge Spectrometer

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.

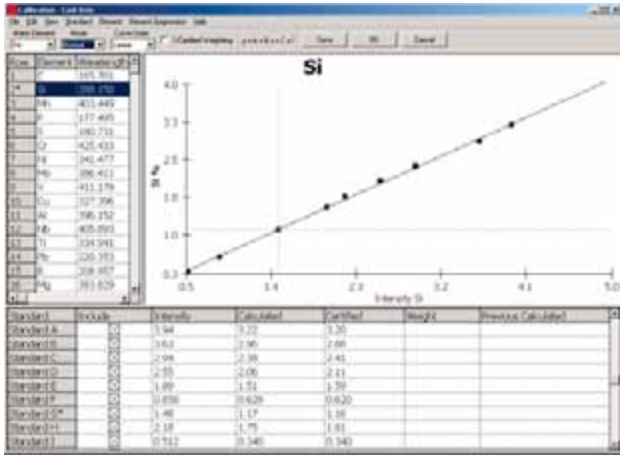
Sample types include bulk, sheet, wire, pressed, and mounted samples. Sample holders are available to meet non-standard sample forms.



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.



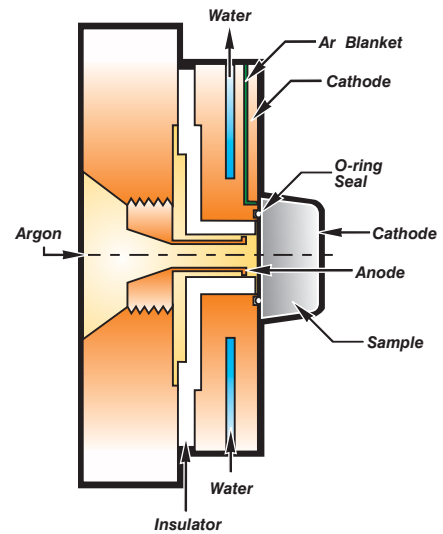
Interchangeable Anodes

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



Solid-State Technology

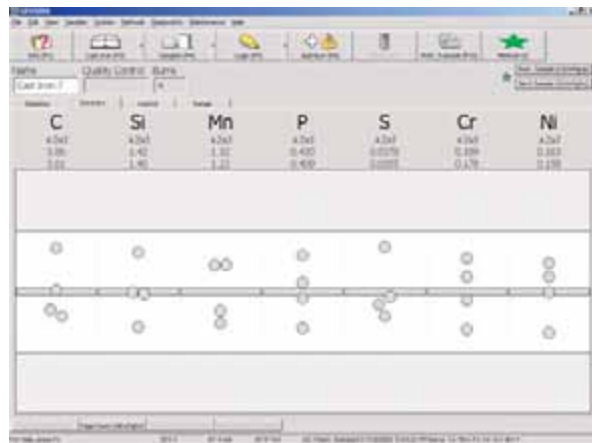
LECO's exclusive CCD-based design ensures stability, flexibility, and performance for ferrous and nonferrous applications. Full wavelength coverage from 165 nm to 460 nm.



Controlled Excitation

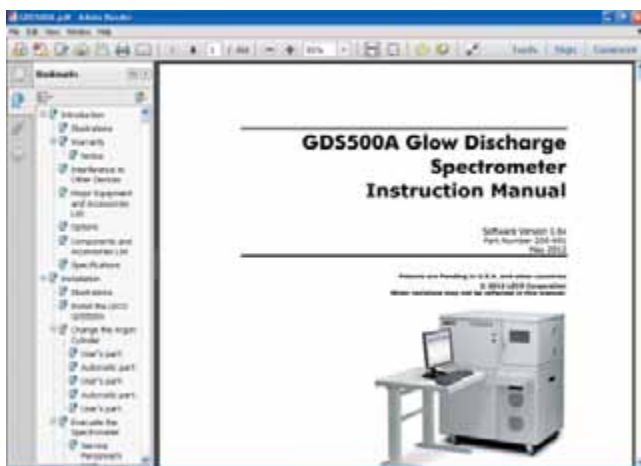
GD-AES provides a non-thermal source to uniformly remove sample material from the surface. Excitation of the sample occurs away from the surface, reducing chemical and metallurgical effects.

Easy-To-Use Windows®-Based Operating Software

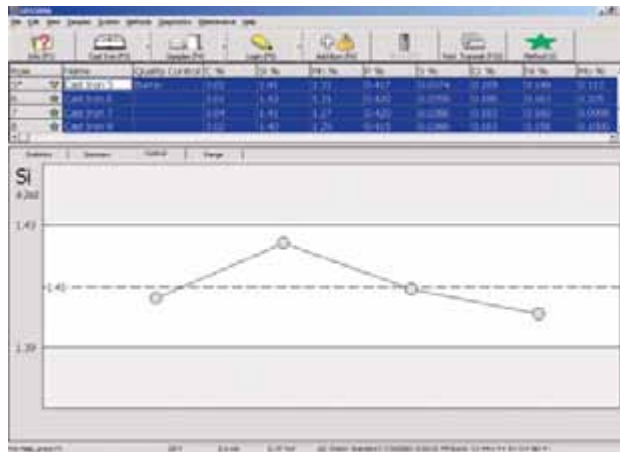


User-Defined Quality Control and Flexible Interface

- ★ = 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 preparation equipment
- Sample holders



Sample Holders

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

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LECO Corporation



Delivering the Right Results