

DH603 Hydrogen

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Get fast, high-precision residual, diffusible, and total hydrogen determinations with the DH603. This state-of-the-art instrument determines the amount of residual hydrogen (or diffusible and residual hydrogen when equipped with the optional integrated sample piercer) present in ferrous alloys. A small footprint, external PC with user-friendly operating software, and increased instrument safety and robustness are all a part of the advanced DH603 design.



DH603 Advantages

A variety of features have been constructed into the design of the DH603 to answer the needs of our customers.

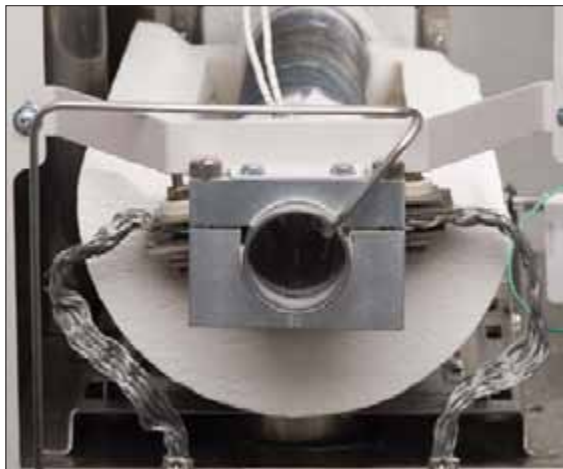
- Exclusive ECLIPSE architecture—a unique design by LECO that improves reliability and serviceability
- Improved plumbing—streamlined and efficient for faster maintenance of flow path
- Accessible components—easily accessible to the operator thanks to ergonomic shells
- Fixed furnace—more robust than tilting and vibrating designs
- State-of-the-art furnace control system—allows temperature ramping from ambient to 1100°C
- Optional diffusible sample piercer— choice of diffusible/residual/total hydrogen determination
- Gas dose calibration—allows calibration without reference materials

Additional Software Features

- Blank and drift correction
- Scheduled wake-up feature to allow timed instrument start-up, reducing equilibration time
- Ethernet LAN protocol
- Expanded service diagnostics, including compatibility to ~~SmartLine~~ Remote Diagnostics
- Software supports data validation with electronic signature

Thermal Conductivity Detection

State-of-the-art TC detector offers greater signal-to-noise ratio, lower detection limits, improved stability, and expanded dynamic range to minimize maintenance and enhance operator flexibility



Improved Furnace Reliability

Newly designed furnace system is more robust, stationary, and housed within the ergonomic shell—decreasing maintenance and improving reliability and safety

Variety of Sampler Options

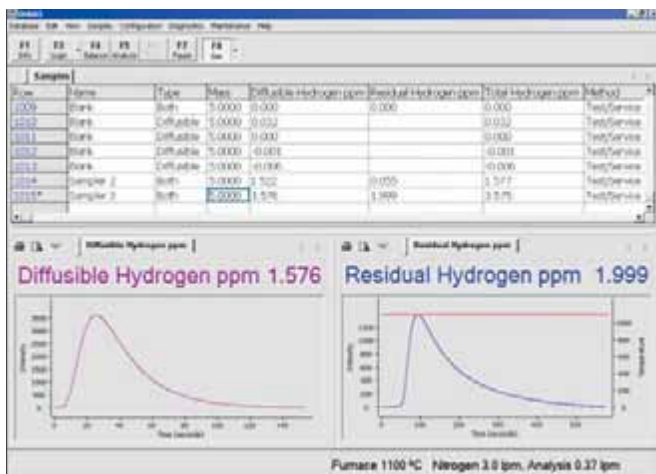
LECO offers a variety of evacuated pin tubes and diffusible samplers for quick and easy hydrogen determination of molten metals



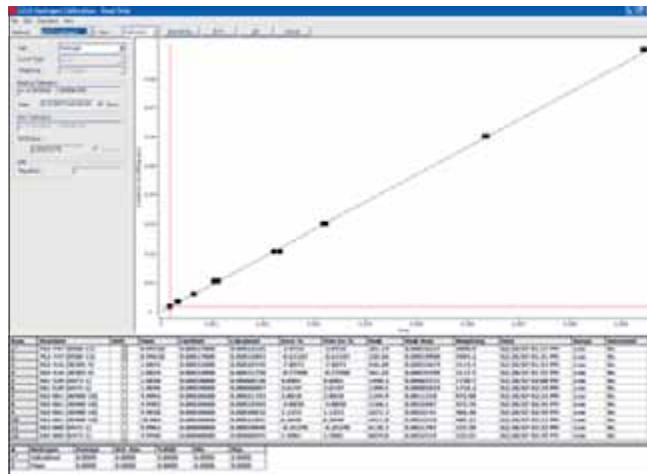
Optional Diffusible Piercer

Newly designed integrated system features long-life needles and seals improving reliability and precision

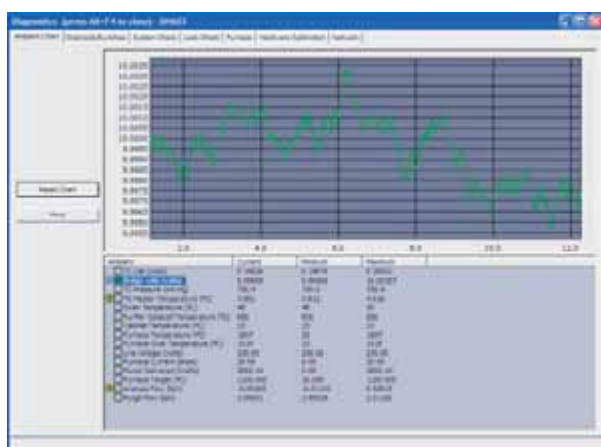
Easy-To-Use Windows®-Based Operating Software



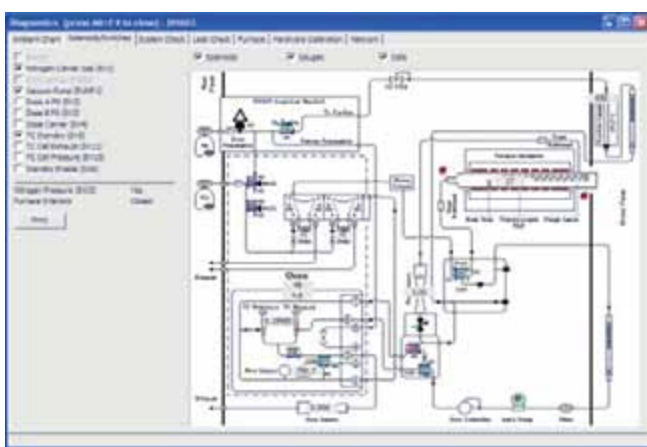
Manage data and graphs seamlessly.



Perform simple calibrations and drift corrections.



Monitor internal components during analysis.



Expanded interactive diagnostic screens help troubleshoot problems faster and easier.

LECO—Your source for total analytical solutions

CS744
Carbon/Sulfur
by Combustion



GDS500A
Glow Discharge
Spectrometer



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LECO[®]
Delivering the Right Results