



- **Bios Optimizer**
Software For Doing More



Bios
Driving a Higher Standard
in Flow MeasurementSM



Bios meets the highest quality assurance standards for gas flow measurement uncertainty, including industry-leading ISO 17025, ANSI Z-540 and NIST 150 laboratory accreditation by the National Voluntary Laboratory Accreditation Program (NVLAP) administered by the National Institute of Standards and Technology (NIST).

Bios Optimizer Software

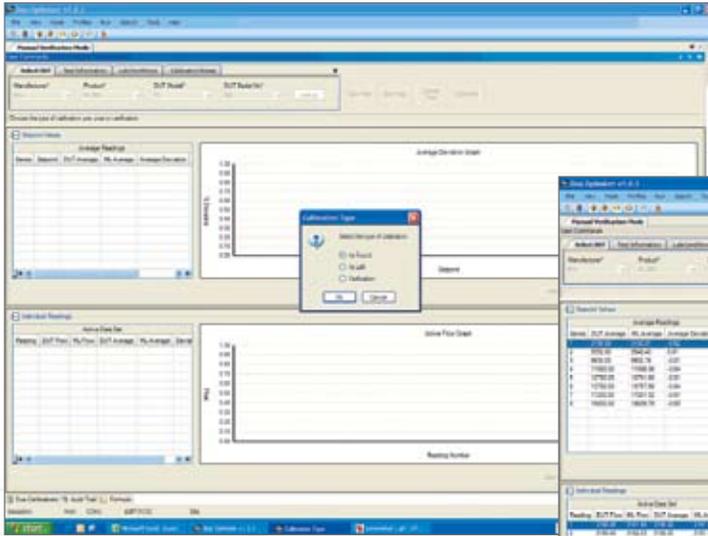
Optimizer is flexible, proprietary software that leverages your Bios primary piston prover and Integrator 110 command, control and readout device to enable you to achieve the calibration functionality that's right for your organization.

It's Software for Doing More

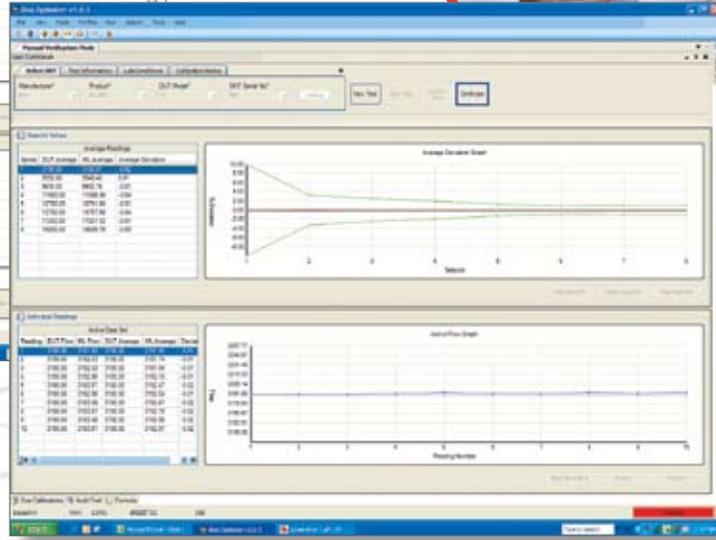
You can do a lot more with your Bios products than easily and accurately measure gas flow. Our intuitive Bios Optimizer takes the calibration process to a whole new level, from fully automating your calibrations to providing a secure platform for superior record keeping.

Specifically designed by Bios for fast, convenient gas flow measurement, Optimizer earns you valuable time while performing the most precise, defensible calibrations possible.





Optimizer 130 – As Found/As Left calibration



Optimizer 130 – Automated multi-setpoint calibration

Flexible Ways of Working

Calibrations are critical – and your needs are unique. Bios Optimizer software lets you decide just how far you want to go in logging, managing and securing your flow data.

Keep it basic with our free **Bios Optimizer 110**. A direct link from your Bios primary piston prover to your PC, Optimizer 110 provides real-time transfer of flow measurements and automatically saves them to a text file for easy recovery.

For a greater degree of control, try **Bios Optimizer 130**. With this powerful software, you'll have the flexibility to go as far as you want in calibration proficiency while meeting your SOPs and Quality System requirements. Create and store unlimited calibration "profiles" for routine verifications of the accuracy of your flow control devices, and recall and use your calibration profiles in a completely automated or semi-automated calibration process. Or, develop a comprehensive Device Under Test (DUT) database, including the most important parameters of your flow control devices.

Bios Optimizer software is compatible with PCs that have an available serial (RS-232) port and are running Windows™ 2000-SP3 or XP-SP2. For those PCs without a serial port, an optional PC card is available.

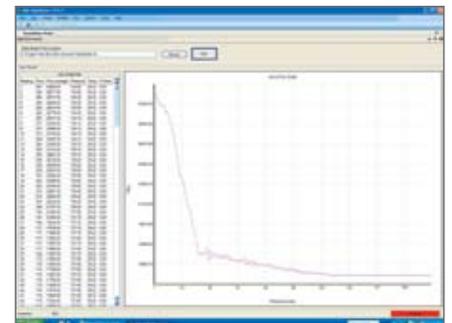
Bios Optimizer 110

Capture Data

Your Bios piston prover comes standard with Optimizer 110 for an easy link to your PC through its serial port – no product or PC configurations are necessary.

Once connected, Optimizer 110 saves your piston prover's flow data to an ASCII text file. At the same time, the flow measurements are displayed on your PC's screen in real-time and graphed for stability – simply adjust the flow as needed and watch the results. For your convenience, Optimizer 110 includes an update interface to enable instant flash upgrades of your Bios product's firmware over the internet.

- 
Reliable
 15 years of Proven DryCal® Technology
- 
Accurate
 Backed by ISO 17025, ANSI-Z-540 and NIST Handbook 150
- 
Flexible
 Optimizer helps you achieve precisely the level of calibration you want
- 
Convenient
 Fully automated calibrations at the push of a button



Optimizer 110 – Data Capture

Bios Optimizer 130

Do More

Upgrade to Optimizer 130 for the ultimate in fast, customizable calibrations.

Fully automate your process by combining your Bios Met Lab Series piston prover, Bios Integrator 110 and Optimizer 130. While the Integrator 110 powers and controls your mass flow controllers and meters, all systems seamlessly integrate to deliver hands-free, high-speed verifications and multi-setpoint calibrations for instant indication of their performance.

While you automate, use Optimizer 130 to develop a comprehensive Device Under Test database. Create sophisticated DUT Profiles featuring the device type, manufacturer, serial number and historical data, including As Found and As Left calibration results. Organize your Profiles for quick and easy recall, or sift through your DUT database using a variety of intuitive search methods.

Accessible documentation is key. Aggregate your calibration data using Optimizer 130's Crystal Reports feature, replacing time-consuming handwritten reports and inefficient paper records with electronic versions. In no time, you'll be producing accurate calibration certificates and reports, complete with your notes, company information and logo – simply choose whether to print, email in PDF format, or store digitally.

Optimizer 130's secure SQL database is a bullet-proof, electronic audit trail that satisfies the records requirements of your ISO or TQM systems. Records may be routinely backed to a floppy disk, memory stick or server. In the event of a computer meltdown, you'll be able to retrieve your records through off-the-shelf database applications, such as Microsoft Excel or Access.

Bios continually strives to bring to market new and better gas flow measurement tools, in convenient, practical designs backed by ISO 17025 and Proven DryCal Technology.



The Bios facility in Butler, N.J., (pictured above) is one of the world's most accurate ISO 17025 laboratories serving the environmental and process control industries. With the lowest gas flow measurement uncertainties of any commercial laboratory, Bios provides you with the legal protections and peace of mind valued in today's litigious business environment.

NVLAP[®]
NVLAP Lab Code 200661

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