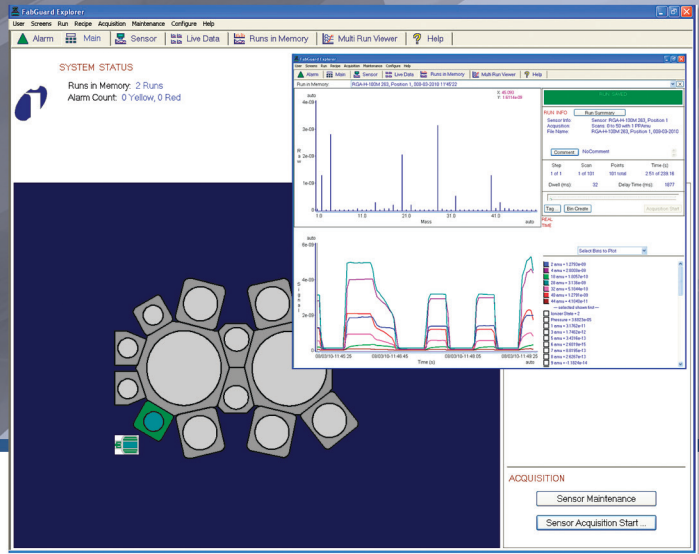




Comprehensive, Low-Cost
Gas Analysis Software for Increased Productivity



FabGuard Explorer™

Gas Analysis Software



RGA Control Software – Easy-to-Use, Yet Surprisingly Powerful

With one-click access to the two most popular RGA functions: monitor and leak check modes, FabGuard Explorer provides you with easy to interpret data showing the most frequently monitored gases (Hydrogen, water vapor, Nitrogen, Oxygen, Argon, etc.) in a convenient trend display.

FabGuard Explorer's simplified user interface can be linked to the advanced process control functions "power users" expect. Advanced functions like multi-step recipes and background subtraction are available to users through a streamlined graphical user interface.

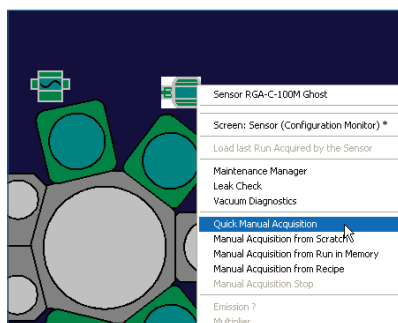
FabGuard Explorer is Windows® 7 tested, providing comprehensive RGA software with no concerns about operating system compatibility.

The single-sensor version of FabGuard Explorer is a cost-effective solution to operating one Transpector RGA. With the software's multi-sensor version, you can control a network of various types of Transpector RGAs from a single computer. The TCA485 Transpector Communications Adapter plugs right onto the back of your PC using an available RS232 port, providing full control right at your fingertips. More importantly, FabGuard Explorer is designed to control all your sensors and simultaneously display up to four trend graphs using the Live Data tab of the software.

ONE CLICK FUNCTIONS

MONITOR MODE

FabGuard Explorer offers several methods of data acquisition. The most common method is called Quick Manual Acquisition. FabGuard Explorer is preconfigured to collect data from 0 to 50 amu with one point per amu (ppamu) and display both a bar graph and a trend graph, which showcases the levels of Hydrogen, Helium, water vapor, Oxygen, Nitrogen, Argon and Carbon Dioxide.

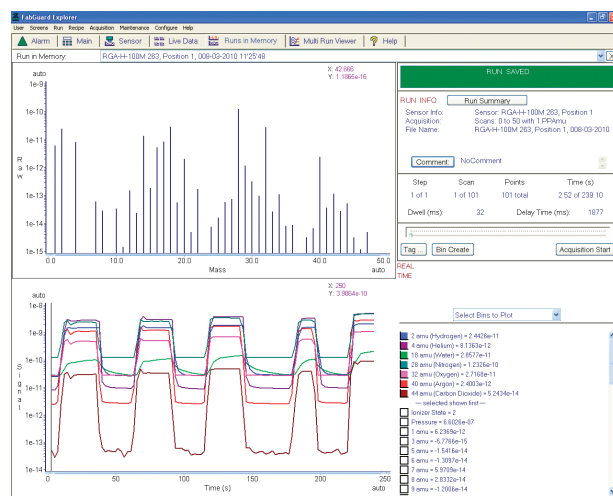


One-click access to frequently used functions.

FEATURES AT A GLANCE

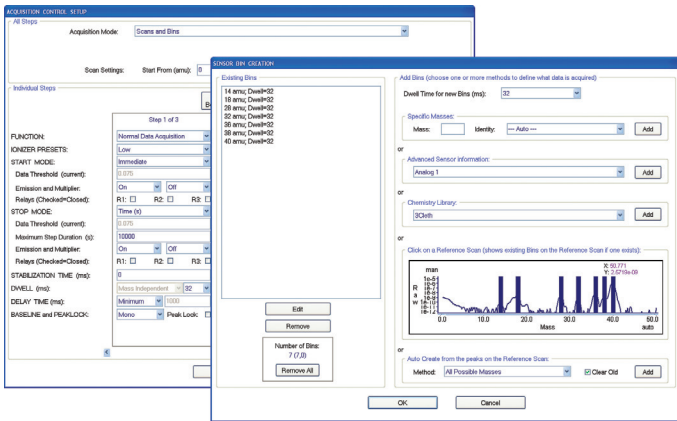
- One-Click access to:
 - Leak Check/Data Acquisition
 - One-Click recipe creation
 - Maintenance Run Templates
- FabGuard Explorer provides multi-sensor support: Transpector 2 RGAs, RFS100 RF Sensors, and the Quantus Gas Analyzer
- Vacuum Diagnostics tool quickly identifies gas species in the vacuum system
- Run Summary attaches full sensor and data acquisition information to each run, which helps to determine whether data abnormalities are caused by alterations of sensor parameters
- Tagging function makes high-level process analysis easy
- Auto Tune functions keep the sensor in working order
- Windows 7 compliant

Is the gas you want to monitor not included on the trend graph by default? FabGuard Explorer allows any captured amu to be displayed on the Trend Graph by a simple box selection.



Data Collection

Want to change the way that FabGuard Explorer collects data? FabGuard Explorer allows the user to setup default data collection controls through bin creation (which tells the software which amus to collect data from) and acquisition control (which tells the software how to collect data) menus.



Recipe Creation

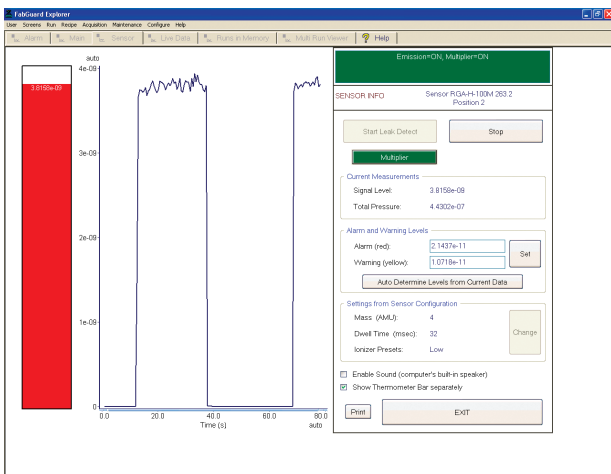
Having trouble finding out what gases might be present in a process? FabGuard Explorer's Chemistry Library function allows you to overlay the spectra of up to five different gases in varying relative amounts onto your RGA spectrum. After determining the gases present in a process, FabGuard Explorer allows you to generate scan parameters based on the identified gases.

PROCESS MAINTENANCE

FabGuard Explorer offers a new maintenance manager menu which combines all of the available maintenance functions into an easy-to-use interface. This unmatched feature provides simple access to maintenance functions normally hidden inside of other software packages.

Leak Check

A traditional RGA application is to Leak Check a vacuum system using Helium gas. FabGuard Explorer provides an intuitive, simple Leak Check process that is available from the main menu with just the click of a button. The audible alarms make it easy to determine the status of the Leak Check process even when the vacuum system is a large distance from the computer system running the software.

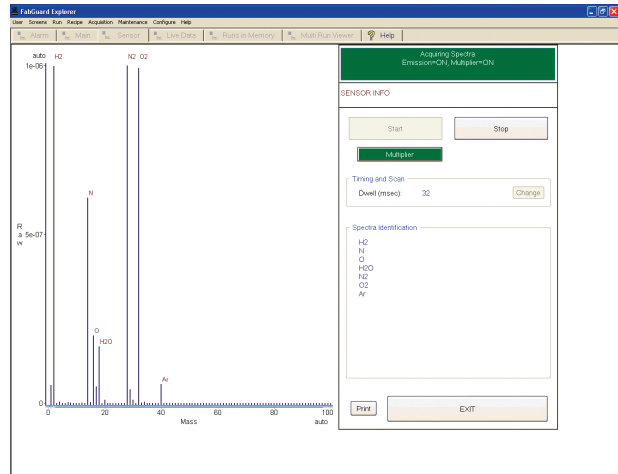


Leak Check

FabGuard Explorer can monitor any mass for leak checking, eliminating the need for costly pure Helium gas.

Vacuum Diagnostics

With just the click of a button, FabGuard Explorer is capable of providing an easy-to-read spectrum defining all of the gas species present inside your vacuum system. This new Vacuum Diagnostics tool clearly informs you of any impurities present and even defines their identity without the need of difficult qualitative visual analysis.



Vacuum Diagnostics

SENSOR MAINTENANCE

FabGuard Explorer provides easy-to-use maintenance functions that will keep an RGA properly tuned and ready for use. Sensor maintenance helps to ensure that data received from the RGA is an accurate representation of your application.

Tune Mode

Tuning your RGA sensors is an integral process for achieving accurate data with the instrument. Tune modes in other software packages can be quite difficult, leaving many RGAs untuned. FabGuard Explorer introduces a new, automatic tuning method, where FabGuard Explorer will automatically tune the sensor to the proper peak size and location using existing chamber gases.

Calibration

FabGuard Explorer allows for easy, intuitive calibration of Total Pressure, Electron Multiplier (if installed on the sensor) and Sensitivity. Routinely performing these calibrations will increase the quality of quantitative analysis of your RGA data, providing more accurate gas concentration results.

GETTING EVEN MORE OUT OF FABGUARD

FabGuard Explorer is part of the FabGuard Suite of products that provides users the most popular RGA functions - process monitoring, leak detection and recipe controlled operation - in easy-to-use one-click functionality. As data gathering, sensor

integration, and analysis needs grow, FabGuard Explorer can be upgraded to FabGuard Sensor Controller for advanced real-time fault detection and tool based expert systems. If a centralized database with tool and group-based SPC analysis are required, then FabGuard Explorer can be easily upgraded to FabGuard IPM. With the addition of a SQL or Oracle Database and INFICON's sensor integration expertise,

FabGuard IPM greatly increases process understanding and fault detection capabilities. When upgrading to any of the FabGuard Suite of products, users benefit from a familiar interface which allows for rapid deployment with minimal additional training.

For more information, visit www.FabGuard.com.

SPECIFICATIONS

Supported Sensors	Transpector 2 High Performance and Compact (Firmware ≥ 2.13) Transpector CPM Transpector XPR2 and XPR3 Transpector HPR	Transpector Preclude Transpector CIS2 RFS100 RF Sensor Quantus SPOES
Communications Interface	For Transpector RGAs: RS232 or RS485 via TCA485 For RFS100: RS232 For Stiletto SPD and Quantus SPOES: Ethernet	
Communications Baud Rate	RS232 – User Selectable (4800 or 9600 (default)) RS485 – 57,600	
Maximum Communications Cable Length	RS232 – 30.5 meters (100 ft) RS485 – 305 meters (1000 ft) Ethernet – No Restriction	
Suggested Computer System Requirements		
Processor	Pentium IV, 3.0 GHz, 1 GB RAM, 80 GB Hard Drive	
Monitor Resolution	1024 x 768 16 Bit Color or Greater	
Serial Port	One RS232 port for Single or Multi with TCA485 (RGAs) One RS232 port (RFS100) One 10/100 Base-T Ethernet Port (Quantus)	
Operating System	Windows: XP, or 7	

ORDERING INFORMATION

FabGuard Explorer – Single Sensor Version – CD	921-039-G1
FabGuard Explorer – Multi Sensor Version – CD	921-039-G2
FabGuard Explorer – Single Sensor Upgrade– CD	921-039-G3
FabGuard Explorer – Multi Sensor Upgrade – CD	921-039-G4
TCA485 Communications Kit – US Version	916-600-G2
TCA485 Communications Kit – German Version	916-600-G3
TCA485 Communications Kit – Japan Version	916-600-G4
TCA485 Communications Kit – UK Version	916-600-G2
USB to RS-232 Converter	911-451-P1
FabGuard Explorer User Guide	074-528



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Due to our continuing program of product improvements, specifications are subject to change without notice.

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