FlowSys SO2

Next Generation SO2 Analyzer

The FlowSys utilizes CFA technology to deliver the highest accuracy and throughput at an affordable cost.

Multi-Channel SO2 Analyzer

The FlowSys SO2 comes programmed with methods for free and total SO2. Built by Systea instruments, they are the trusted SO2 analyzer by wineries all around the world.

This newest generation SO2 analyzer uses Continuous Flow Technology (CFA) which allows a higher throughput than older flow injection analyzers. CFA allows users to set macro and micro flow levels which increase throughput and reduce waste.

Avoid sending out samples and paying thousands of dollars, only to wait days for your results. The FlowSys SO2 gives you immediate results, so you can make real time decisions from harvest to bottling.

The FlowSys SO2 is easy to use and simple to learn. Operators do not need a chemistry background. Tests can be programmed in under 5 minutes and the flexible software design allows you to analyze both red and white wines at the same time.

Bring Testing In-House

- No chemistry experience required
- Eliminate outside lab costs
- Immediate Results
- Start-up in under 10 minutes
- Pre-programmed SO2 methods
- Run up to 70 tests per hour
- 104 & 200 position auto-samplers
- Easy & inexpensive to maintain
- Expert Support
- Ideal replacement for FIA units
- Modern Software

OVER 25 YEARS OF EXCELLENCE

Systea has over 25 years experience in wine analysis in Europe, North America and around the globe. They are an award winning manufacturer, recognized by the EPA, USGS, USDA and more.

They know innovative instruments are only one part of a formula for success. That is why they have partnered with Blue Sun Scientific in Maryland and EZKem in Oregon to bring you coast to coast support. Now you can order parts and reagents and request support wherever you are.
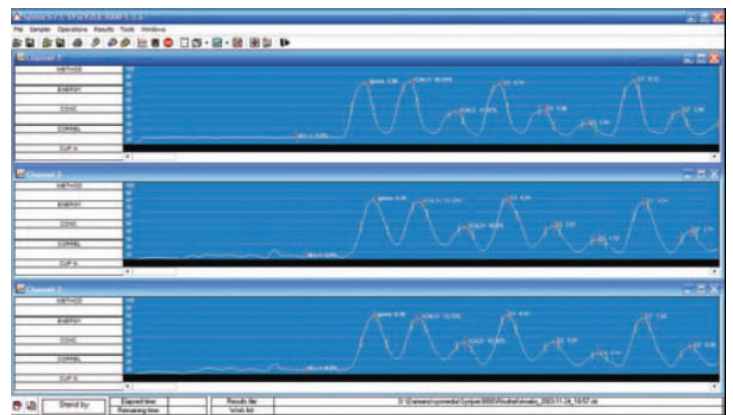
Our complete service programs begin at install and are available for the lifetime of your instrument. See our **Lab Optimization Program** and **Blue Sun Guarantee** for more information.

Easy As 1-2-3

Setting up your tests in the FlowSys SO2 is easy and can be done in under 5 minutes. After loading the samples and reagents, enter the sample information. Then, the operator is free to walk away while the FlowSys SO2 performs all tests unattended. Users have the options of auto-samplers with 104 and 200 sample capacities depending on the volume of testing.

The FlowSys SO2 software shows realtime data so you can have immediate results. Urgent samples can be added at any time. All data is automatically saved and can be exported into excel, LIMS, or other customizable formats.

Thanks to micro/macro flow, clean up and shutdown down are automatic and take less than 10 minutes.

FlowSys Software

Visible peaks give you real time results.

Lab Optimization Program

Many labs will benefit from our decades of experience improving SOPs for labs around the world. We offer this unique program to all Blue Sun customers.

We know the cornerstone of a successful testing program is knowing why issues may arise down the road. This includes errors from reagents, contamination, matrix complications, etc.

We can get you up to speed during your instrument's installation and ensure your operators are comfortable and effective in their various roles.

This empowers your operators to make fast adjustments, which saves your lab time and money and ensures confidence in your results.

Quick Start-Up:

- ☑ Simplified reagent prep
- ☑ Preparing standards
- ☑ Troubleshooting issues
- ☑ Instrument care
- ☑ Interpreting your results
- ☑ And much more

Blue Sun Guarantee

The Blue Sun Guarantee helps you start up quickly and avoid down time and repairs. Every FlowSys Wine Analyzers comes with:

- ❯ Free phone and email support
- ❯ Lab Optimization Program
- ❯ Web Trainings for New Users
- ❯ Free Software Upgrades
- ❯ 1 Year Warranty on Parts

BLUE SUN
SCIENTIFIC

Specifications

Technology and priciple	Automated continuous flow analyzer micro or macro flow
Operations	Multichannel in parallel, up to 12 channels simultaneously
Sampler RA104 or RA200	
Dimensions / Weight and Power	60x45x40 cm (LxWxH); 15 kg; 12/24 V DC power supply included
Operations	Random Access type ρ φ ζ
Number of positions	104 or 200
Multiprobe operations	Yes up to 4 probes
Auto-dilution module	Yes, optional
Analytical module	
Dimensions and weight	60x22x46 cm (LxWxH); 15 kg
Power	12/24 V DC power supply included
Operations	Fully PC controlled, local control by integrated color touch screen
Peristaltic pump	n. 1 high precision peristaltic pump PC controlled, long pump tube life
Pump tubes positions	12
Multispeed	Yes, 2 speeds, Fast for start/stop and reagent changeover, Standard for analysis
Digital Colorimeter	
Wavelength range	340-1100nm
Light source	LED emitters coupled with specific interferential filter
Flow cell - standard	15 or 50mm, ID 1.0mm
Flow cell - special design (options)	Guided Wave Flow Cell path length on demand Fluorimetric flow cell
Colorimeter adjust, baseline and gain	Fully controlled by PC
Debubbling	Hydraulic of electronic
Matrix correction	Yes, optional
Linearity and OD resolution	Standard: 1×10^{-4}, max linearity: 3.5 AU; Extended: 2.5×10^{-7}, max linearity: 6.0 AU, 24 but A/D converter optional
Heating baths	
Heating or distillation bath	n. 2 heating baths, fully PC controlled
Wash Reagent Valves	
Number of valves and control	Max n. 6 Wash/Reagent valves, fully PC controlled