

PE Series 200 Control Software for EZChrom Elite[™] CDS and Agilent OL Operating System for the Laboratory



Figure 1. EZChrom Elite and Agilent OL conveniently display instrument control parameters as the method is being constructed. The graphical gradient display makes it easy to develop sophisticated gradient pump programs. Tabbed control pages organize instrument parameters by component.

Control the PE Series 200 HPLC with EZChrom Elite and Agilent OL

PE Series 200 HPLC systems are in widespread use in HPLC laboratories throughout the world. They are used routinely in research, method development and QA/QC environments. Agilent Technologies now provides optional Control Software of the PE Series 200 HPLC for its EZChrom Elite Chromatography Data System and Agilent OL Operating System for the Laboratory. This provides instrument control of the PE Series 200 autosampler, PE Series 200 pump, and Series 200 UV detector. In this way, the PE Series 200 HPLC can be controlled along with over 300 other instrument modules from different manufacturers through the same EZChrom Elite or Agilent OL software platforms.

Flexible Control of PE Series 200 Pump and Detector

The Series 200 pump control provides full pump control in isocratic, binary and quaternary modes. The control of the Series 200 UV detector includes support for Peak Width or Rise Time Noise Reduction. The UV detector can also be setup in software to specify wave-

Specifications

PE Series 200 HPLC control software supports the following modules:

- PE Series 200 isocratic, binary, and quaternary pumps
- PE Series 200 and ISS 200 autosampler
- PE Series 200 UV detector



length, autozero controls, control lamp on/off at end or run, and wavelength programming (wavelength at various times during the run) as well as relay states on the detector. Auxiliary traces for monitoring pump flow and pressure are also provided.

Special Direct Control Mode Displays All Information

The Direct Control screen for PE Series 200 HPLC shows all status information in a single view. Nothing is hidden. Users can easily see when an instrument parameter is not yet at Setpoint, at the Setpoint, or not used in the particular method. Modification of these settings directly from EZChrom Elite or an Agilent OL web client is provided.

Autosampler Control is Simple and Sophisticated

Series 200 and ISS 200 autosampler control includes support for both fixed loop mode or prep option (if installed) and settable syringe sample size. Control of the flush pump speed, flush volume, pre-injection flush cycle, post injection flush cycle and post run flush cycles are provided. Complex pre-injection dilution and derivatization programs can easily be programmed, as well.

Simple and Easy Connections of All Modules

Digital data from the PE Series 200 detector is acquired. No intermediate analog to digital converters are needed. Moreover, each Series 200 module connects to the data system by RS232 cables. Agilent recommends PerkinElmer serial cables N293-0344 for connecting the autosampler and UV detector. A serial cross over cable or a straight through cable with null modem adapter should be used for the pump.

(Agilent Technologies also has developed Control Software in EZChrom Elite for the PerkinElmer Intelligent Interfaces. This control software option supports the PE Models 941/941A, 950/950A, 960/960A, 970/970A, and NIC 901/902 analog to digital converters in EZChrom Elite or Agilent OL.)

Powerful Data Analysis Through EZChrom Elite or Agilent OL

Data can be subjected to a full range of flexible data analysis. Overlay runs, perform System Suitability calculations, and create a

Visit www.agilent.com/chem/scisw or call toll free 1-800-227-9770 (U.S. and Canada).

In other countries, please call your local Agilent Technologies analytical sales office or Authorized Agilent Technologies Distributor.

This information is subject to change without notice © Agilent Technologies, Inc. 2006 Printed in U.S.A. November 3, 2006 5989-4299EN wide variety of data reports. Built in GLP/GMP features in ensure that PE HPLC results are securely controlled with a full featured Audit Trail to track all changes. Additionally, the built-in features for Electronic Signature enable all results to be handled according to 21 CFR Part 11 rules.



Figure 2. Special graphical modes make it easy to compare multiple runs.

Special EZChrom SI Version

A special EZChrom SI (Single Instrument) version for users who have only one PE Series 200 HPLC and who require only basic EZChrom Elite features is available. This provides instrument control for a PE Series 200 HPLC at a very attractive price.

Manage All Instrument Data with Agilent OL

The unique Agilent OL Operating System for the Laboratory provides powerful content management of all raw data and results from PE Series 200 HPLC instruments. "Smart" electronic filters specific for the PE Series 200 results are used to extract key metadata from each LC run and store that information in a database. All results are automatically deposited in a safe, secure repository and made fully searchable.

Users can readily find their data based on queries that not only specify criteria such as instrument, username and Sample ID, but even extend to detailed results such as component names and concentration ranges.

Agilent OL manages all the electronic information in the laboratory. In addition to all PE Series 200 raw data and results, Agilent OL can manage Microsoft Office files, e-mails, Adobe pdf files, chromatography data from EZChrom Elite and other CDS packages, mass spectrometry files, and much more. No other package offers this powerful capability to handle all electronic information and documents generated in the laboratory. Conduct quick, focused searches across all your data to find hits from various PE Series 200 HPLC results, as well as Excel spreadsheets, Word documents, pdf reports, and more.



Visit **www.agilent.com/chem/scisw** or call toll free **1-800-227-9770** (U.S. and Canada).

In other countries, please call your local Agilent Technologies analytical sales office or Authorized Agilent Technologies Distributor.

This information is subject to change without notice. © Agilent Technologies, Inc. 2006 Printed in U.S.A. September 22, 2006 5989-4299EN

