

## PE Interface Control for EZChrom *Elite*™ CDS



Figure 1. Control the PE Turbochrom, TotalChrom and ACCESS\*CHROM interfaces from EZChrom *Elite* to take advantage of EZChrom software benefits while retaining your investment in hardware.

### Key Benefits

- Preserve your investment in existing PE Interface hardware by using these interfaces for analog-to-digital data acquisition.
- Perform powerful data acquisition of GC and HPLC instruments with a standard uniform chromatography data system.
- Perform advanced data reprocessing using EZChrom's powerful graphical user interface.
- Address 21CFR Part 11 issues using EZChrom *Elite*'s built-in audit trails, system and user security, Electronic Signatures and Signoffs.

### Control PE Interfaces Using EZChrom *Elite*

PerkinElmer Inc.'s Turbochrom (aka TotalChrom) Chromatography Data Systems, introduced in the early 1990's, have been used in laboratories throughout the world. Agilent Technologies' EZChrom *Elite* Chromatography Data System has been continually enhanced to provide distinct advantages for Turbochrom customers. The new PE Interface Control software developed for EZChrom *Elite* allows the instrument interfaces purchased originally for Turbochrom, ACCESS\*CHROM, and TotalChrom systems to be used as analog to digital converters to interface various instruments to EZChrom *Elite*.

### Preserve the Investment in Interface Hardware

The PE Interface Control Software is an optional software add-on to EZChrom *Elite* version 3.1 or higher. When the software add-on is installed, PerkinElmer Series 900 Intelligent Interfaces and the NCI 901/902 Interfaces can be connected to the EZChrom *Elite* system and data acquisition is controlled.

Laboratories that have already invested in the interfaces and connected them to their chromatographs can simply use the same interfaces and detector connections when working with EZChrom *Elite*.

In the case of Models 950, 960, and 970 Intelligent Interfaces (used with the Turbochrom, Turbochrom Workstation, Turbochrom EL and Turbochrom Client/Server), the EZChrom *Elite* system uses a GPIB interface to connect each interface to the host computer. In the case of Model 941 Intelligent Interface (used with the PE Nelson ACCESS\*CHROM and Turbochrom Client/Server systems), a standard RS232 connection is required.

### Software Interface Control with EZChrom *Elite*

EZChrom *Elite* software methods can be created to control the PE Interface and allow the user to specify the full range of sampling rates and run times. Data acquisition can be performed on both single channel or dual channel interfaces.

When performing data acquisition through sequences, all EZChrom *Elite* standard features including the exclusive SmartSequence (providing variable sequence execution based on injection results), integration on the fly, and more are available.

Data collected through the PE Interfaces can then be subjected to the standard software features in EZChrom *Elite* including powerful postrun data comparison, advanced report generation, 21CFR Part 11 Electronic Signatures and Signoffs with complete method and sequence audit trails and more.

### Take Advantage of New Software Developments

EZChrom *Elite* provides chromatography users with all the features you would come to expect of a state of the art chromatography system – complete validation in Microsoft® Windows® XP, NT, 2000 – easy compatibility with popular Windows applications – versatile operation with acquisition and reprocessing stations – and deployment in stand alone, client/server, or thin client (Citrix) environments. EZChrom *Elite* can be readily integrated with Agilent OL Operating System for the Laboratory for electronic information management of all laboratory data.

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### Special EZChrom Single Instrument Version for PE Interfaces

Users who wish to operate with only one PE Interface using basic EZChrom *Elite* features should consider the *EZChrom SI with PE Interface Control License*. This provides the EZChrom software with the PE Interface Control for a single interface. Intended for single user/single instrument operations that do not require the full capability of EZChrom *Elite*, the EZChrom SI with PE Interface Control uses the existing PE Interface for a very low cost entry into the EZChrom *Elite* platform.

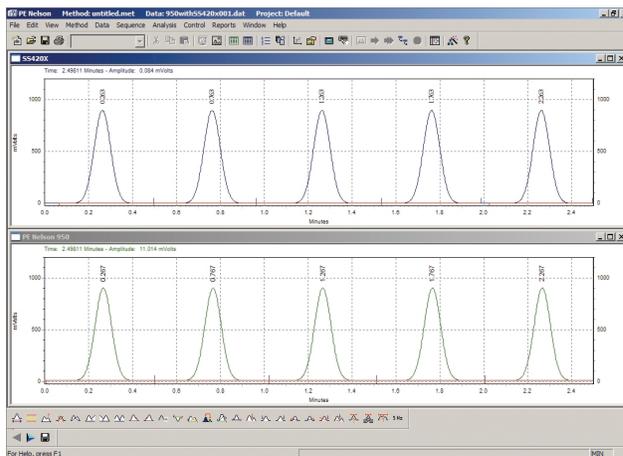


Figure 2. Comparison of data collected on the PE Model 950 Intelligent Interface (bottom) and the Agilent SS420x Interface (top).

### Supported PE Interfaces

PE Interface Control Software controls the following PerkinElmer Interfaces:

Interface	Version	Communication
Series 900 Models 941/941A	2.3 or higher	RS232
Series 900 Models 950/950A	2.7 or higher	GPIB
Series 900 Models 960/960A	2.4 or higher	GPIB
Series 900 Models 970/970A	2.4 or higher	GPIB
Series 900 Models 970/970A	2.4 or higher	GPIB
NCI 901/902*	3.4 or higher	GPIB & RS232

\*Note: 902 with single channel mode only