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.

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.

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.
Labs 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.

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.

Supported PE Interfaces
PE Interface Control Software controls the following PerkinElmer Interfaces:

<table>
<thead>
<tr>
<th>Interface</th>
<th>Version</th>
<th>Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Series 900 Models 941/941A</td>
<td>2.3 or higher</td>
<td>RS232</td>
</tr>
<tr>
<td>Series 900 Models 950/950A</td>
<td>2.7 or higher</td>
<td>GPIB</td>
</tr>
<tr>
<td>Series 900 Models 960/960A</td>
<td>2.4 or higher</td>
<td>GPIB</td>
</tr>
<tr>
<td>Series 900 Models 970/970A</td>
<td>2.4 or higher</td>
<td>GPIB</td>
</tr>
<tr>
<td>NCI 901/902*</td>
<td>3.4 or higher</td>
<td>GPIB &amp; RS232</td>
</tr>
</tbody>
</table>

*Note: 902 with single channel mode only

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