At last! A Universal Solution to Spectrum Data File Format Conversions.

- Converts between most common spectral file formats
- Simple to use Windows user interface
- Single spectrum conversions or multiple spectrum convert mode
- Interactive and command line mode; easily integrated with other programs

Figure 1. Input and Output Interactive Mode Menus.

The ORTEC DataMaster provides a simple way of converting spectral data files between a variety of formats. It is often the case that a large restriction in making a change from one spectroscopy system supplier to another is the backlog of "legacy" spectra, which must remain readable on the new system. This is especially true when the old system is no longer supported. Some manufacturers are reluctant to even release their file formats in an attempt to make migration more difficult. DataMaster removes that impediment and makes the process simple.

Files are easily converted either by using the intuitively simple Windows user interface, or via command line mode which can be used in conjunction with other programs in automated processing.

Figure 1 shows the interactive mode input and output file dropdown menus.

When a file is loaded into DataMaster during the interactive process, the spectrum is displayed graphically as shown in Figure 2 allowing the user to verify at a glance that the file is the correct one.

Multiple files may be selected in interactive mode for automated sequential conversion.
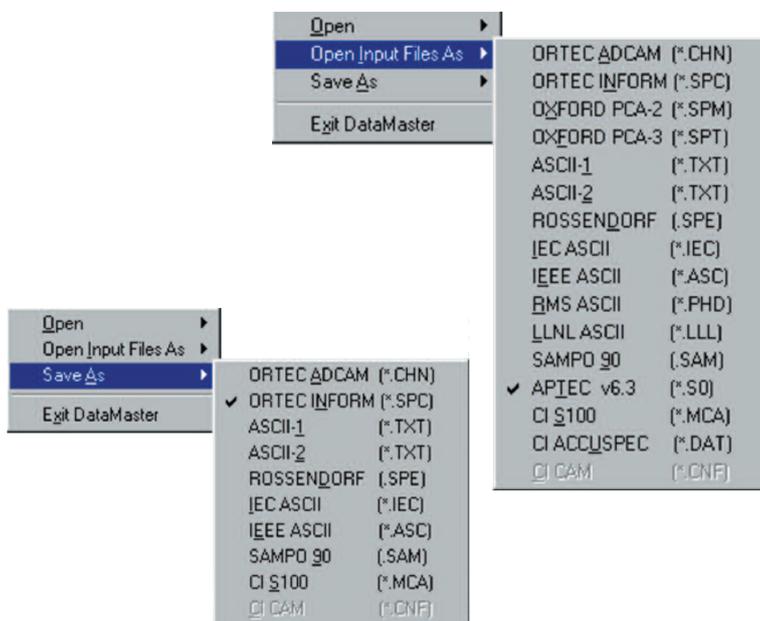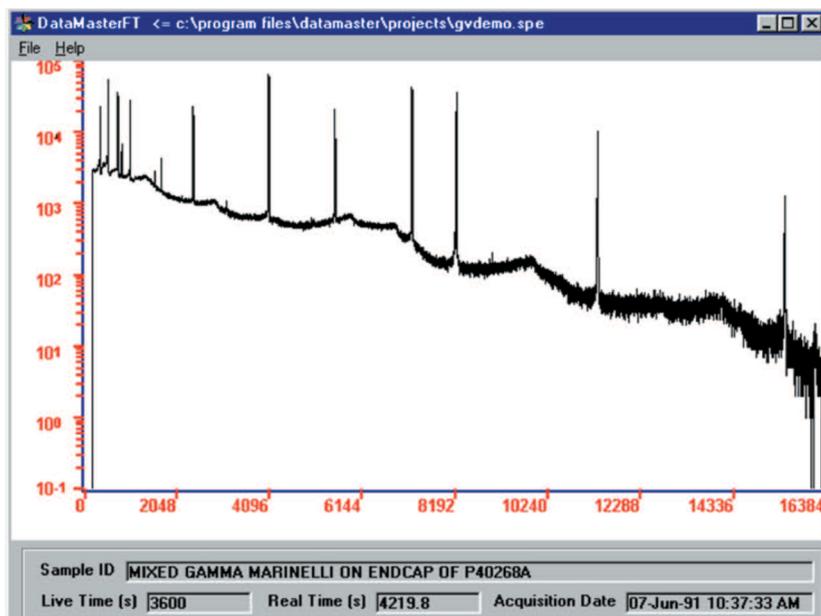

Figure 2. Graphic Display of Spectrum.

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Supported File Types

	Spectrum File Format	Input	Output
1	ORTEC ADCAM (*.chn)	Yes	Yes
2	ORTEC INFORM (*.spc)	Yes	Yes
3	OXFORD PCA-2 (*.spm)	Yes	No
4	OXFORD PCA-3 (*.spt)	Yes	No
5	ASCII-1 (*.txt)	Yes	Yes
6	ASCII-2 (*.txt)	Yes	Yes
7	ROSSENDORF ASCII (*.spe)	Yes	Yes
8	IEC ASCII (*.iec)	Yes	Yes
9	IEEE ASCII (*.asc)	Yes	Yes
10	RMS ASCII (*.phd)	Yes	No
11	LLNL ASCII (*.lll)	Yes	No
12	SAMPO 90 (*.sam)	Yes	Yes
13	APTEC v6.3 (*.s0)	Yes	No
14	CI S100 (*.mca)	Yes	Yes
15	CI ACCUSPEC (*.dat)	Yes	No
16	CI CAM (*.cnf)	Yes[1]	Yes[1]

Table 1 summarizes the input and output file formats supported by DataMaster. File format 16, (Canberra .CNF) is proprietary and requires that certain Canberra software components be present on the system. These are automatically included if an appropriate Canberra software package is installed, such as Genie 2000.

Command Line Mode

The command line mode is used to convert a single spectrum as specified on the MS-DOS command prompt. The syntax of the command line is:

>   DataMaster -i InputFileName -j OutputFileName

where i is the format type number for the input file, and j is the format specifier for the output file. The arguments are separated by spaces. Values of i and j valid for input and output are shown in Table 1. The following is an example of a valid command line.

> **DataMaster -4 E:\OldData\pca3demo.spt**
> **-2 C:\Spectra\Pca3Demo.spt.spc**

Command line mode may be used in conjunction with the import function of ORTEC MAESTRO or GammaVision to make a seamless import of "foreign" spectral files directly by these programs.

Ordering Information

To Order, specify:

Model   Description

A49-B32   DataMaster Spectrum File Format Translator for Windows 2000/XP. (Includes media, documentation, and single use license.)

ORTEC®

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