ORTEC®

Analysis Results Programmer's Toolkit
for 32-Bit Applications
A12-B32

- **Easy extraction of GammaVision® analysis results into custom 32-bit Windows® applications**
- **For use in conjunction with A11-B32 UMCBI Toolkit, which provides hardware control**
- **Examples given of usage with Microsoft® C and Visual Basic®**

The Analysis Results Programmer's Toolkit (A12-B32) provides 32-bit Dynamic Link Libraries (DLLs) of functions which can be used to create custom programs to interface with the spectrum and analysis results files used by GammaVision for the analysis of gamma-ray spectra from germanium detectors. The data collection can be controlled from the user program or by GammaVision itself. The analysis is done by the WAN32 or other analysis engine of GammaVision.

A useful combination of ORTEC and user-written software would be to use the ORTEC software to set up and calibrate the MCBs and then implement the special operations in a user-written program. For spectroscopy applications it is expected that MAESTRO™ or GammaVision will be used to configure and perform most of the interactive system functions. User-written programs can then perform any other system functions.

Support and examples are given for Microsoft C and Visual Basic. Other programming language support will be added when available.

The user-written program can perform any function desired for control of the MCBs, reading and writing spectrum files (SPC format), reading unformatted analysis results files (UFO), and writing the values into a report or database.

System functionality is separated into two main sections: one for reading and writing spectrum files and one for reading the results and producing reports. The reading of data from the detector uses the UMCBI Programmer's Toolkit (A11-B32) which is a prerequisite to A12-B32.

The manual includes a function reference, data structures used, and examples of programs. The details of the spectrum and results files are included in the companion "Software File Structure Manual for DOS and Windows Systems."

Software Prerequisites

A11-B32 ORTEC UMCBI 32-bit Programmer's Toolkit.

Ordering Information

To order, specify:

A12-B32	32-Bit Analysis Results File (UFO) Toolkit
A12-G32	Documentation for A12-B32
A12-U32	Update for A12-B32
A12-K32	Upgrade from A12-BI to A12-B32

Specifications subject to change
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