Spectroscopy Systems for Macintosh

We offer three spectroscopy systems for Macintosh computers.

**ST160 Basic Nuclear Lab System**

The Basic Nuclear Lab System is a complete student station designed for high school and college level nuclear science instruction. The model **ST160** is an updated replacement for the older **ST150** and incorporates USB technology to connect to IBM compatible computers. The system may be used with or without a computer and consists of a 6-decade scaler/timer with built-in Geiger-Mueller counter, sample positioning tray and 11-piece radiation absorber set.

The system features a large LED display, variable high voltage for plateau measurements, serial interface and cable with software for data transfer to either the PC or Mac, experiment manuals and a set of alpha, beta and gamma radioisotope sources. Data files are stored in spreadsheet compatible format for graphing and manipulation prior to printing.

**System Components.**

- ST160 Nuclear Lab Station with STX system software & set of 11 absorbers.
- USB6 USB cable
- RSS3 Set of three sources, Alpha Beta Gamma
- LM5 Student Lab Manual & Instructor's Manual on CD

**Ordering Information.**

BASIC - Includes ST160 for IBM PC compatibles.

**ST360 Intermediate Nuclear Lab System**

The Intermediate System is built around the new **ST360 Radiation Counter** and provides the ultimate in nuclear lab systems for studying the characteristics of radiation. Features include preset time, a digital ratemeter with audible beeper and alarm and digitally controlled high voltage. The system includes a large volume Geiger-Mueller detector for improved efficiency, a 10-position sample stand, USB and serial interfaces to PC and Macintosh, software for full computer and data transfer, five radioisotope sources, 20-piece calibrated absorber set, lab manuals on CD and cables.
Operation may be as a stand-alone station or directly from the computer when used. Data files are saved in spreadsheet compatible format for importing in most common spreadsheets allowing the student to perform calculations and graph the results for printing. Software is compatible with Windows 95 and higher and System 7 through System 9 on the Macintosh. (Not all operating systems support USB.) The ST360 is equipped with upgraded high voltage and an internal preamplifier allowing operation with optional scintillation detectors for gross gamma counting.

**System Components:**

- ST360 Radiation Counter with Windows and Macintosh software.
- GP35 GM 35 probe with stand and cable.
- USB USB cable for PC or MAC.
- RSS5 Set of five sources, Alpha, Beta, Gamma.
- RAS20 Set of 20 calibrated absorbers.
- LM5 Nuclear Science Instructors and Student Lab manuals on CD.
- Power Supply Specify operating voltage.

**Ordering Information.**

INTER Complete System for IBM PCs.

**ST370 Radioactivity Demonstrator System**

This complete system is ideal for demonstrating the properties of radiation using a PC or Macintosh computer. The ST370 Radiation Counter interfaces to a computer via a USB port and provides complete keyboard control of high voltage and preset count time. Data is stored in spreadsheet compatible files for exporting to Excel. The software displays counts, time, analog or digital countrate and High Voltage (HV) settings. Supplied complete with interface, software, GM detector and stand, 11 radiation absorbers, a set of 3 alpha, beta and gamma sources and connecting cables. The system will also support a scintillation detector, not included, for measuring low activity gamma radiation.
System Components:

- ST370 Radiation Counter with Windows and Macintosh software.
- GP35 GM 35 probe with stand and cable.
- USB USB cable for PC or MAC.
- RSS3 Set of three sources, Alpha, Beta, Gamma.
- RAS11 Set of 20 calibrated absorbers.
- LM5 Nuclear Science Instructors and Student Lab manuals on CD.
- Power Supply Specify operating voltage.

Ordering Information.

ST370-PC Complete System for IBM and Macintosh Computers.