Geiger-Mueller Counting systems form the basis of nuclear science instruction. They are typically used for teaching modern physics, nuclear medicine, health physics, radiochemistry, biology and many applied nuclear sciences. Additionally, the systems may also be used for radiation monitoring, wipe testing and general surveying of radioactivity.

Systems are supplied complete, including exempt quantity radioisotope sources, instructional material, cables and computer interfacing software.

**Basic Nuclear Lab System**  
*BASIC - Includes ST160 for IBM PC compatibles*

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