Advanced ICS-PCI Spectroscopy System

Spectroscopy systems provide a means of recording and analyzing the radiation emission from a wide variety of samples using a personal computer. Multichannel analyzer systems are available for both PC and Macintosh platforms and are supplied complete with acquisition and control software, detector, shield and sample stand assembly, a set of eight gamma sources and experiments manual. All Multichannel analyzers include Multichannel scaling (MCS) for half-life and other time related studies. Single channel analyzer systems are available for fixed window measurements such as wipe testing and medical applications.

Designed for conducting a wide selection of spectroscopy experiments, the Advanced Lab features the ICS-PCI Integrated Computer Spectrometer for PC’s. This plug-in card contains up to 4096 channel MCA with storage buffer, computer controlled amplifier, high voltage, upper and lower level discriminators, ADC and Multichannel Scaling for half-life and decay studies.

The complete system includes a NaI(Tl) scintillation detector with lead shield and multi-position sample stand, a set of 8 gamma emitting radioisotope sources including an “unknown”, MCA software with ISOMATCH peak identification and a lab manual of experiments in gamma spectroscopy.

System Components.

- ICS-PCI Integrated Computer Spectrometer with Software.
- SP 38 Complete scintillation probe with SD 38 detector, stand, base. and cables.
- RSS 8 Set of 8 gamma sources including “unknown”.
- LM 3 Experimental Gamma Ray Spectroscopy manual.

Ordering Information

- ADVPCI1k for IBM-PC compatibles.
- ADVPCI2k for IBM-PC compatibles.
- ADVPCI4k for IBM-PC compatibles.

Options

- LS325 Environmental lead shield for 2” or 3” detectors.
- SD51 2x2 in. NaI(Tl) with integral photomultiplier.
- TS51-2 Tube base stand, 14-pin for 2” or 3” detectors, complete with cables.