

INTRODUCTORY NUCLEAR LAB SYSTEM

A portable battery powered analogue ratemeter system complete with G-M detector and stand, alpha, beta and gamma radioisotope sources, 20-piece absorber set, serial cable and software for connecting to PC. An excellent system for demonstrating the characteristics of radiation. Use with PC for group displays. System comprises:

- ST-250 Ratemeter with PC interface and RADEM software (**P75-1050**)
- Complete detector assembly with G-M25 probe, stand and cable (**P73-1260**)
- Calibrated Absorber Set, 20 absorbers 5-7,000mg/cm² (**P75-1250**)
- Serial Cable for PC
- Set of three sources, alpha, beta and gamma, solid discs (**P73-1100**)
- Student Lab Manual
- Instructors Manual

P75-1150 Introductory Nuclear Lab System

ADVANCED SPECTROSCOPY LAB FOR PC

Designed for conducting a wide selection of spectroscopy experiments, the Advanced Lab features the ICS-PCI Integrated Computer Spectrometer for IBM compatible PCs. This plug-in card contains a computer controlled amplifier, high voltage, 1,024 channel MCA with 4 storage buffers, upper and lower level discriminators and multichannel scaling for half-life and decay studies. Supplied with MCA software with ISOMATCH peak identification and a lab manual of experiments in gamma spectroscopy.

System comprises:

- ICS-PCI Integrated computer spectrometer for PC with MCA software
- SPA 38 Complete scintillation probe with detector, stand, shield and cables (**P73-1280**)
- Set of eight gamma sources, including "unknown" (**P73-1150**)
- Student Lab Manual
- Instructors Manual

Technical Data:

Physical: 1,024 MCA with data memory, LLD and ULD
 ADC: Wilkinson type, 80MHz clock with computer selected conversion gain of 256, 512 or 1,024 channels
 High Voltage: Computer controlled, 0-1,280V
 Modes: MCA, MCS

P75-1200 Advanced Spectroscopy Lab for PC

ABSORBERS, SET OF 20

Calibrated absorber set, 20 absorbers 5-7,000mg/cm² range. Materials include, lead (4), plastic (2), aluminium (10), polythene (2) and aluminium foil (2). Fully labelled in compartmented wood storage box.

P75-1250 Absorbers, set of 20



P75-1150



P75-1200



P75-1250