

Multi-Parameter Analyzer List Mode Model 4300

The Multi-Parameter analyzer (MPA) system is designed as a list mode with USB2 and USB3 ports for data transfer at high speed. First, data can be stored on the FIFO and then is transferred to a PC through a USB port. Application program can be simultaneously displayed single and multi-parameter spectra.

Hardware Specifications

- The connection to 8 ADCs up to 16000 channels of nuclear type
- The connection to PC via USB2 port with speeds of up to 20 MB/s
- Store data as a list in FIFO
- Operating temperature range: 0 °C- 50 °C
- Internal timer resolution: 20 ns
- Sync window time range: 20 nano to 1 ms

Software Specifications

- Set up hardware parameters for how to receive information
- Display of single and multi-parameter data, simultaneously
- Store data on hard disk
- Display of single and multi-parameter data after ending the experiment and from the stored list (Replay).

Applications

- Nuclear spectroscopy
- Gamma ray-neutron separation in different ways
- Separation of different radiations such as alpha, beta and X