

Mca Spectrometer



Overview

Multichannel Analyzers (MCAs) are workhorse instruments in many scientific measurements. An MCA analyzes a stream of voltage pulses and sorts them into a histogram, or “spectrum” of number of events, versus pulse-height, which may often relate to energy or time of arrival. The application range our devices extend from supporting of securing agencies, safeguarding radioactive materials, radiation protection until laboratory applications and food. A multichannel analyzer (MCA) is an instrument used in laboratory and field applications to analyze an input signal consisting of voltage pulses. energy, like the one in this C60-gamma ray. Amptek's MCA-8000D is a state-of-the-art, compact, high performance, digital MultiChannel Analyzer (MCA). It replaces the MCA-8000A, providing the same functionality with reduced dead time, modern communications interfaces (USB, RS-232, and Ethernet), and much higher data transfer rates. A MCA consists of two basic parts: the analog-to-digital converter (ADC) and the computer-type addressable memory. Berkeley Nucleonics offers several MCA options for users to perfect a system that caters to their.



Article Content

MCA-8000D Digital Multichannel Analyzer

Learn why Amptek's MCA-8000D is a compact, high-speed digital MCA with USB, RS-232, and Ethernet, offering low dead time and precise pulse height analysis.

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The MCA527 is a battery powered high performance 16K Multi-Channel Analyzer/Multi-Channel Scaler module with the performance of a laboratory

D M C A MCA527

The MCA527 is a high performance 16k Multi-Channel Analyzer/Multi-Channel Scaler module with the performance of a laboratory grade MCA. High voltage supply for detector and preamplifier power

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