

Model GSpec ADC – 1K Multichannel Analyzer



GSpec ADC is a versatile compact USB based 1024 channel Multi Channel Analyzer. GSpec-ADC is powered by USB interface. It contains 1024 channel 48 MHz Wilkinson ADC with Silab Microcontroller for USB interface with PC for spectrum acquisition and data processing.

GSpec ADC is supplied with data acquisition software which assists user to acquire the spectrum and analyze the data.

Data acquisition software should be loaded on PC / Laptop and provides spectrum acquisition and display, spectrum analysis software for energy calibration, ROI selection, area calculation, peak search, peak information, spectrum smoothing and spectrum data storage on PC hard disk. High voltage supply necessary to operate scintillation detector is software programmable from 0 to 1200 volts in 256 steps. Spectroscopy amplifier gain is settable through PC.

Specifications

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|-------------------------------|---|
| ADC | : 1K Channel Willkinson type , 48 MHz clock frequency Conversion time : 20 μ sec for FS input ADC control through Silab F340 microcontroller via USB interface USB cable length upto 5 meters Differential Non Linearity less than 1% |
| Power | : From USB port of PC / Laptop |
| Data Memory | : 1024 channels, Data Storage on PC hard disk |
| Data Acquisition & | : Acquisition and display of Gamma Spectrum Energy Calibration , ROI selection Area Calculation , Peak information Spectrum stabilization & spectrum smoothening |

Due to continuous R&D, specifications are likely to change without notice

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