

Kromek K102

Multichannel Analyser Specification

The Kromek K102™ is the smallest multichannel analyser, designed primarily for use in nuclear spectroscopy applications.

It accepts amplified shaped pulses from detectors, digitizes the pulse heights, and sends the data to a PC via the USB bus.

The K102™ is available with either Kromek's Windows10-based K-Spect or MultiSpect Analysis software, which provide the spectrum acquisition, display, analysis, and storage functions.

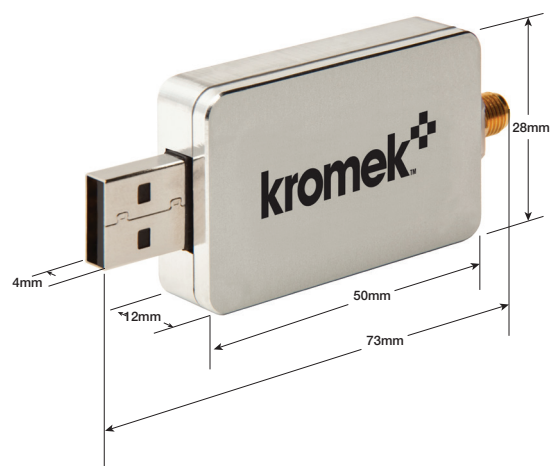
The K102™ is also powered through the USB bus so no external power supply is required.

Specifications

Input pulse	0 to 2.5V full scale peaking times 0.5 – 50 μ s
Input impedance	10 k Ω
Pulse amplitude	0 – 2.5 V full scale
Pulse processing dead time	~10 μ s
Pulse type	Accepts both positive and negative pulse types
Number of channels	4096
Differential non-linearity	< \pm 1%
Integral non-linearity	< \pm 0.05% (upper 99% channels)
Maximum throughput	30,000 counts/s
Power consumption	250 mW
Input connector	SMA
Dimensions	72mm x 30mm x 12mm
Weight	30g

Main features:

- 4096 channels
- USB powered
- Compact
- Low power consumption
- Simple to use



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