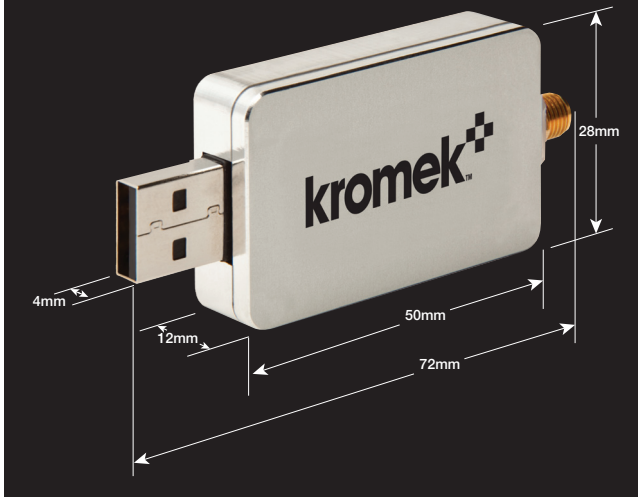




Main features:

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



**Kromek K102™
Multichannel Analyser**

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 Windows-based (7/8) 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 |



Nuclear
detection



Medical
imaging



Security
screening

detect image identify

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