

KSpect user guide

For P3/P5 Nuclear Physics Labs





Recording spectra

Data acquisition GUI, settings, etc...

Kromek MCA user interface



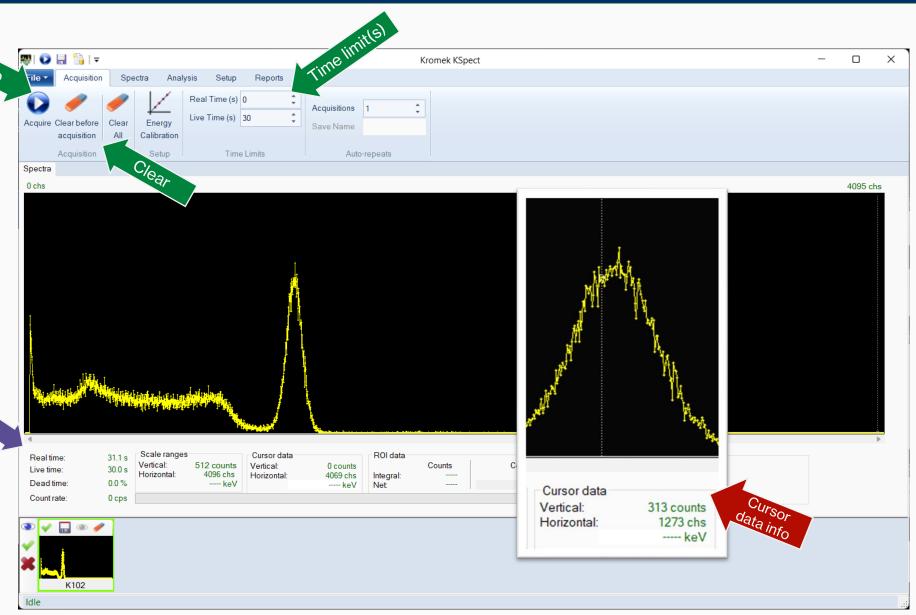
The **Acquisition** tab is where most we control the data acquisition:

- Start / stop runs,
- Clear spectra,
- Set time limit(s).

In the **lower GUI** you can monitor factors such as:

- Deadtime %,
- · Count rate,
- Cursor data

The **cursor data** info is particularly useful for sense-checking your runs.



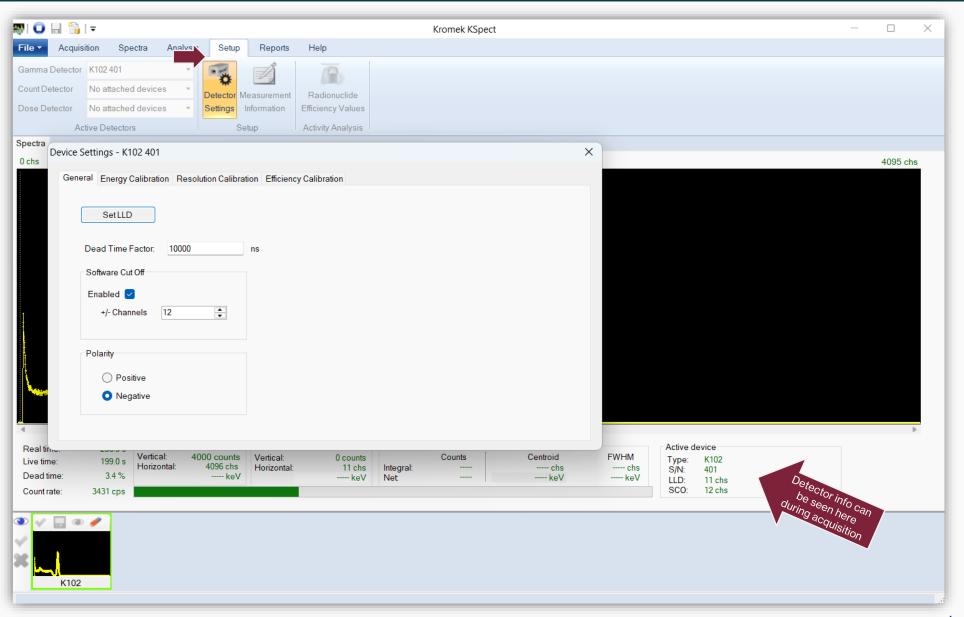
KSpect user guide

Kromek MCA settings



In **setup**, some important detector settings such as:

- the low level discriminator (LLD),
- software cut off (SCO),
- and pulse polarity.



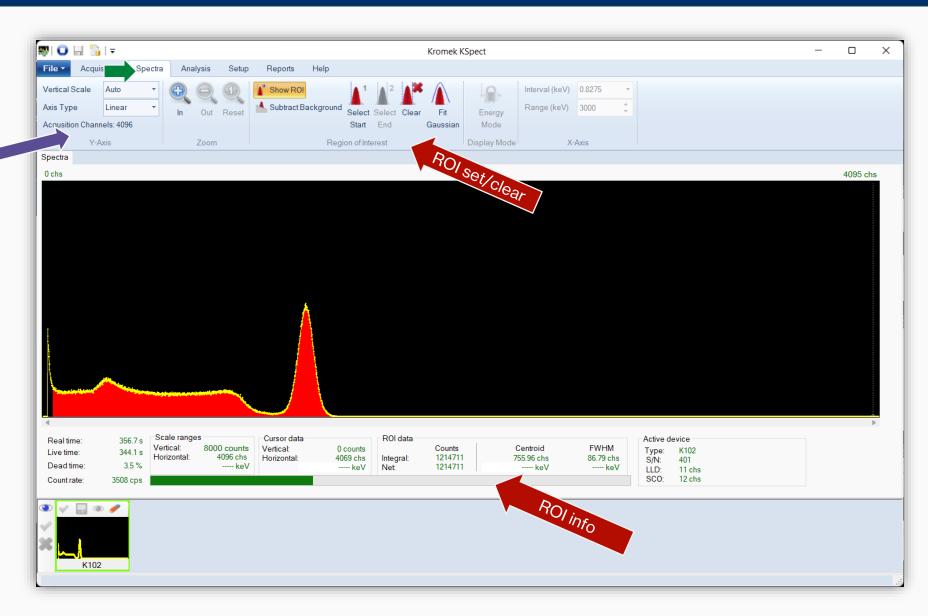
Kromek MCA settings



5

In **spectra**, some graphical features are available such as:

- Setting axis scales
- Selecting regions of interest (ROI)





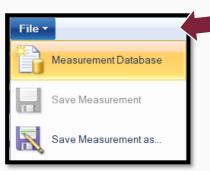
Saving data

Measurement database and exporting.

Measurement database



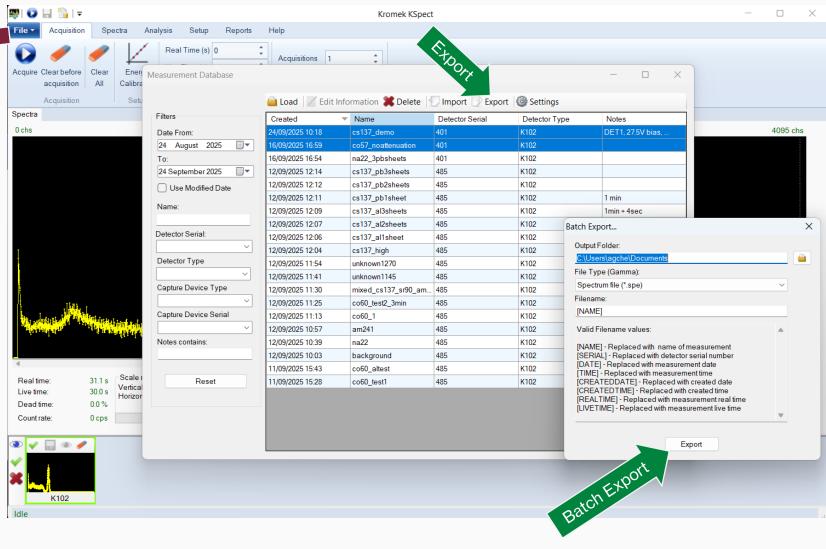
In **File**, you can save measurements and access the measurement database.



Importantly, these files are not exported until you explicitly save them from the measurement database.

You can **export** them 1 at a time, or by batch at the end of your session by selecting multiple.

Make sure you export as ".spe" file for analysis.



KSpect user guide



Troubleshooting

Work in progress... ask a demonstrator.