

FEATURES

- Display of up to 4 spectra curves with associated data simultaneously
- Detector adjustment and spectrum energy calibration
- Treatment functions as smoothing and subtraction
- Ergonomic, user friendly, Windows® based interface

SAMS

Spectrum Acquisition and Manipulation Software

The SAMS software package extends the RAMSYS family spectroscopy features by adding powerful spectrum acquisition and manipulation functions. It allows acquisition and analysis of the monitor in true or live time, total counting, region of interest counting or statistical evolutions.

The RAMSYS devices that include spectroscopy are every monitor with a LPU/SAS/Nal (liquid, iodine, N16, N13 monitors) or with a LPU/SPIPS (ABPM, NGM). When SAMS is connected to a monitor, it behaves as a Multi Channel Analyzer (MCA).

APPLICATIONS

- Barrier leak control
- Effluent release monitoring
- Radioprotection of workers
- Operational process monitoring
- Post-accident operations

radiation monitoring
systems

A Mirion Technologies Division

Featuring:



FUNCTIONAL CHARACTERISTICS

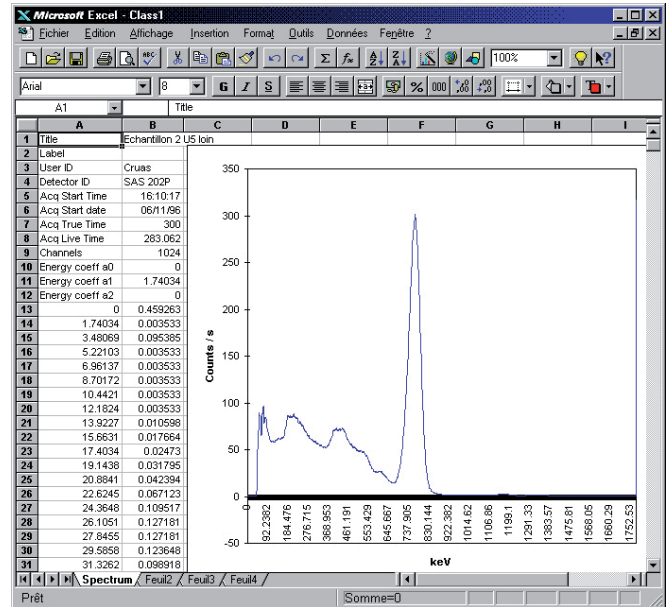
The spectrum display window gathers on the same screen all the information the user needs to drive the acquisition. Frequently used functions can be accessed directly through buttons like:

- Select a spectrum's curve to handle and/or to display
- Enter preset value of acquisition time
- Start/stop acquisition
- Clear spectrum
- Zoom in, zoom out, zoom between cursors or display entire spectrum
- Manual/automatic vertical scale
- Lock/free cursor interval (region's width)
- Select, define or clear a region of interest

Advanced capabilities are available through the menu bar like:

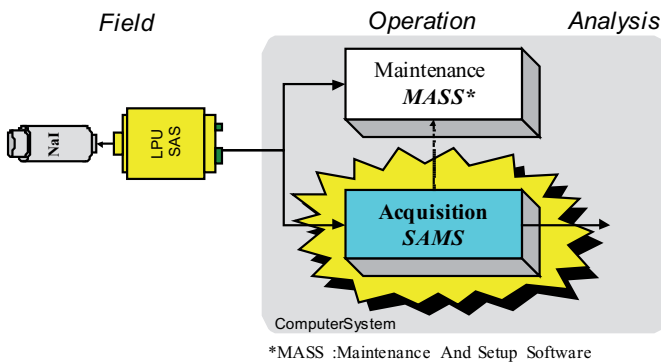
- Load, save or import spectrum files
- Select communication parameters
- Print spectrum
- Copy, cut or paste a spectrum
- Load, define and save LPU/SAS windows as regions of interest
- Electronic and energy calibrations
- Add a constant (offset) to the spectrum
- Smooth the spectrum
- Subtract a background spectrum

This software can be used as an operational tool for spectrum acquisition and for detector calibration. It gives extended spectrum diagnosis information as well as rough isotopic discrimination. It is directly connected to the LPU/SAS. SAMS can be used in parallel with MASS2.



To ease report generation SAMS manages the Windows standard clipboard to allow copy/paste operations with spectra. This allows the user to directly import data in spreadsheet, database or word processor software.

Above the user can follow in real-time the spectrum data and LPU/SAS status.



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