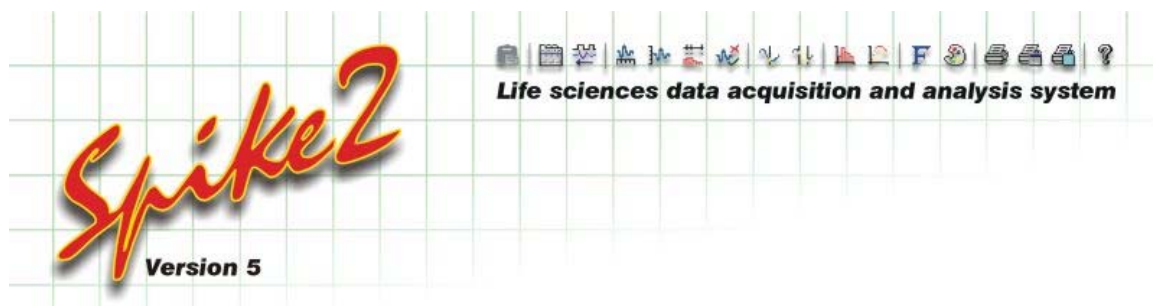
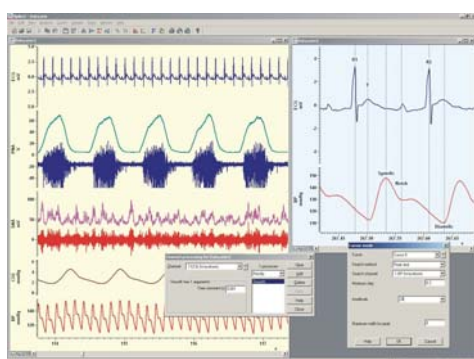




Spike2 is the data acquisition system of choice for thousands of researchers worldwide. Whether you require simple data capture or a complete package for experimental control using one of the CED 1401 family of data acquisition peripherals, recording and analysis, Spike2 has many advantages over other data acquisition systems.

□ Spike2 is easy to use as a general purpose capture and analysis package. You do not need to export data to another program for detailed analysis or to purchase add-on modules for specific tasks.



Simple chart recorder type application with duplicated display showing zoomed screen

□ Spike2 has the power and flexibility for demanding applications for which you would expect to require more specialised equipment, for example extracellular multi-electrode recording and complex stimulus timing and delivery.

□ Spike2 has the sampling and analysis features most researchers need. There is also a built-in script language which allows automation of repetitive tasks and provides many additional tools for researchers who prefer to write their own applications.

□ Spike2 can import data recorded by many other systems, so that you can take advantage of this extremely versatile software to analyse existing data.

□ Spike2 can export data in spreadsheet format and as text or binary files. Additional export formats are planned.

Features

□ Navigate through your data quickly and simply using the intuitive user interface; zoom and scroll with the mouse or keyboard

□ Record multiple data types, including waveforms, event times, coded markers, and discriminated single or multi-unit spike data in real-time

□ Generate simple and complex protocols of waveform and TTL outputs

□ Detect features manually or automatically and take measurements based on triggered and cyclical data such as cardiovascular signals.

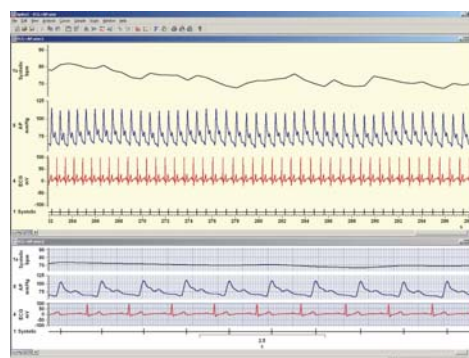
□ Analyse multiple channels of waveform and event data on-line and off-line

□ Process data with functions including: filtering, rectification, interpolation and inter-channel arithmetic

□ Display and export images as you want them, with versatile display options including: triggered update and duplicated windows with independent time axes

□ Record very large numbers of channels by synchronising multiple CED 1401s with no timing drift between them

□ Customise the program with the built-in script language that provides control from simple automation to addition of complex analysis functions



BP, CO2 and phrenic nerve activity during 3 periods of hypoxia and hyperoxia with Poincaré plot

Spike2 for Windows version 6 requires a CED **Power1401**, a **Micro1401** or a **1401plus** intelligent laboratory interface, and a PC with Windows 98SE, Me, Windows 2000 or XP.