

Spectrometer Manager

Connecting Spectrometers to People

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Spectrometer Manager (SpecMan) is control software capable to handle a wide class of experiments.

SpecMan brings a new level of convenience to home-made spectrometers, providing an all-in-one solution for pulse sequence generation, experiment conditioning and data acquisition.

Flexible configuration manager allows **SpecMan** to maintain different device configurations and to use the same acquisition station to control multiple spectrometers.

Built-in powerful pulse sequence engine easily utilize capabilities of connected pulse generators and makes **SpecMan** to an indispensable tool for pulsed spectroscopy.

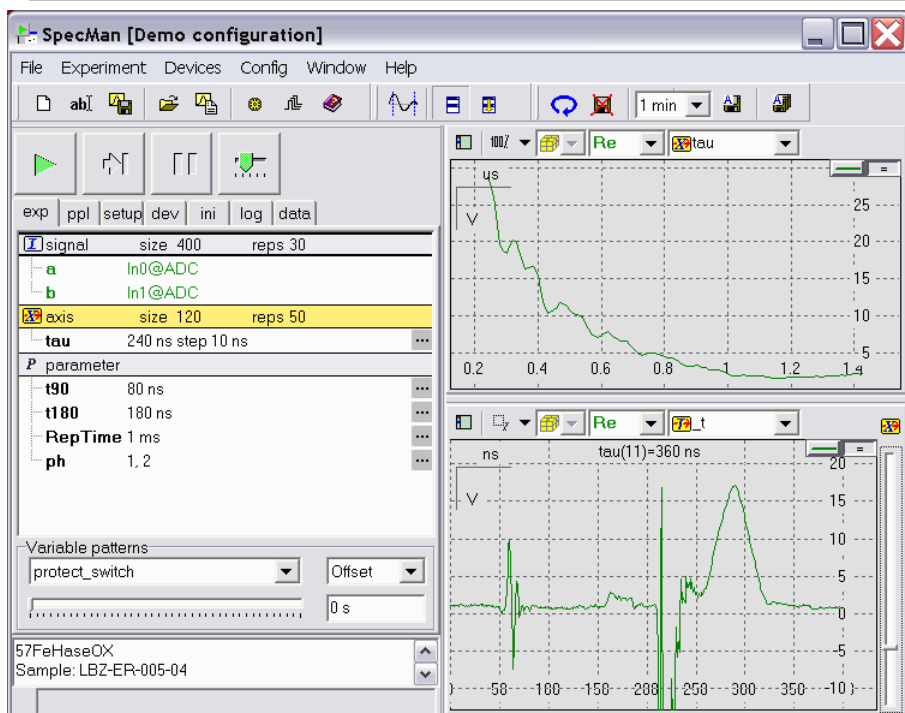


Fig. 1. Main window of SpecMan

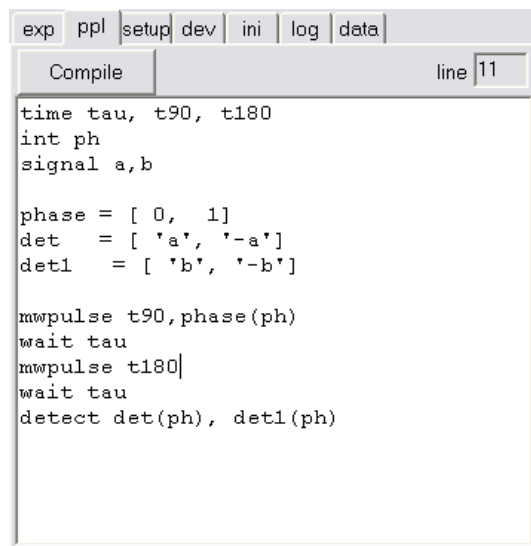


Fig. 2. Example of the PPL program. Two-pulse echo sequence.

- ◆ Unified control software for pulse spectrometers
- ◆ New approach to the design of the user interface. 'One-click' access to the majority of options
- ◆ User-defined device and pulse configurations. Configuration wizards
- ◆ Convenient representation of experimental and hardware parameters. Four-dimensional experiments
Linear or list-based definition of the experimental parameters, linked parameters. Any parameter can be swept during experiment. Multiple-stream acquisition engine
- ◆ Spectrometer-independent customizable pulse programming language (PPL). Automatic pulse sequence optimization and validation
- ◆ Digital oscilloscope (if fast digitizer installed)
- ◆ Random acquisition and run-time baseline correction
- ◆ Flexible adjustment to the hardware, support for the most recent devices
- ◆ Data protection. Autosaving options