



Features

- Real-Time-Clock option for the MPA-3 Multiparameter Multichannel Analyzer
- 50 ns time resolution, 48 bit range
- will operate as a high resolution „Time-Stamp“ in List Mode data acquisition. Every recorded event will be time tagged before storing
- Programmable time bin size for Spectrum Multiscaling with any number of ADCs (max. 16)
- Time preset with 50 ns precision using the internal or an external clock.
- Three auxiliary connectors for RTC-Start, EXT. Clock, Time Capture and Clock Gating
- Time can be the X- or Y-Axis
- Any number of time spectra can be defined with any time-offset and bin size. This feature is also available in replay mode
- The MPA-3 RTC option is installed in the MPA-3 Basic Module

Applications

- Time correlated ultra fast multiparameter list mode data acquisition with up to 16 external ADCs or other frontend devices
- Spectrum Multiscaling with up to 16 ADCs
- Time histogramming
- Detection and location of high voltage arcing in power transformer and electricity generators
- Long-term time-correlated data acquisition
- Acquisition of time-tagged events
- X-Y-T time resolved imaging with PSDs

