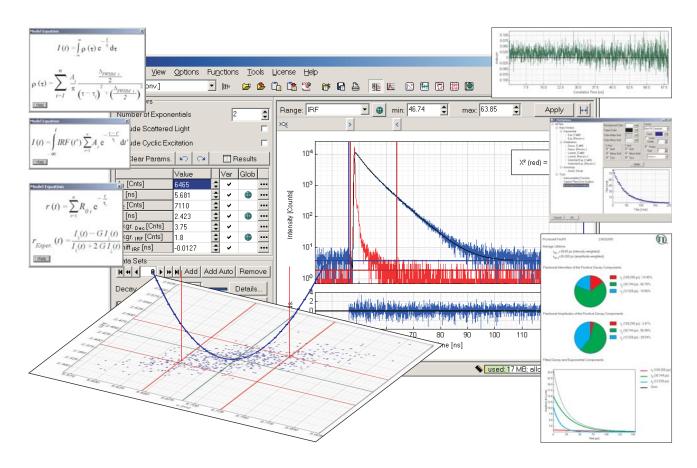
FluoFit



Global Fluorescence Decay Data Analysis Software

- Tail fitting or iterative reconvolution
- Exponential decay models up to 4th order
- Lifetime distribution models (Gaussian, Lorentzian, Stretched Exponentials)
- Anisotropy analysis with an exponential model up to 4th order
- Global analysis and batch fitting for all models
- Rigorous error-analysis with three different methods
- ASCII and direct data import from HydraHarp, PicoHarp, TimeHarp, SPC and MSA 300 data
- Unlimited number of data points
- Storage of user preferences
- Easy to use graphical interface



Global Fluorescence Decay Data Analysis Software

The FluoFit software package is a powerful analysis software for fluorescence decay and anisotropy measurements. Tail fitting as well as a numerical reconvolution algorithm to account for the finite Instrument Response Function (IRF) can be applied. The decay data can be fitted to exponential decay models up to 4th order or alternatively to different lifetime distribution models (Gaussian, Lorentzian and Stretched Exponential). Global fitting as well as batch mode fitting is supported for all models. The software allows to freely vary the number of fit parameters, including IRF and signal background as well as time shift. Start parameters for the fitting algorithm can be determined automatically or entered manually. The fitting limits are easily adjusted with graphical sliders. Reduced chi-square, weighted residual and autocorrelation trace are shown for assessment of the goodness of fit. An advanced error analysis using different methods is also possible. User preferences are widely adjustable and can be automatically stored and retrieved. The 32-bit software is available for Windows™ XP/Vista/7 and features a modern and easy to use graphical user interface. Results can be printed, saved and exported for later reference. The program supports data files from HydraHarp, PicoHarp, TimeHarp, SPC and MSA TCSPC systems as well as ASCII data files. Instrument response and fluorescence decay may be loaded from different sources. A comprehensive help file is provided for ease of use.

To meet different needs, the FluoFit software is available in two versions. The table shows the main features.

FluoFit Basic:

Ideal for standard decay analysis

FluoFit Professional:

Optimal for advanced applications

	FluoFit Basic	FluoFit Professional
Data import from HydraHarp, PicoHarp, TimeHarp, SPC, MSA, ASCII	✓	✓
Exponential decay models	✓	✓
Lifetime distributions models		✓
Anisotropy analysis		✓
Global analysis and batch fitting		✓
Goodness of fit assessment	✓	✓
Error analysis		✓
Export of analysis results	✓	✓
Storage of user preferences	✓	✓

Specifications

Decay Models and Parameters Exponential decay models Lifetime distributions*	(up to 4 peaks) py reconvolution dth, background polarized decays
User InterfaceGraphical user interfaceWindows™ GUI, menu of DisplayDisplaylinear, logarithmic strengthData importsaved in Windows™	scale, zoomable file or clipboard
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	ve reconvolution eighted residuals is and bootstrap
Data Formats Number of channels	unlimited
Operation PC requirements. 400 MHz min. CPU clock, 256 MB memory (for global fitting >= 512 MB Disk space Operation system 10 MB (exce Protection module Window	ept data storage) ows™ XP/Vista/7
*only available in FluoFit Professional	

Further available are Fluorescence Lifetime Spectrometer; Time-resolved Fluorescence Microscopes; Upgrade Kit for Laser Scanning Microscopes; Picosecond / Nanosecond Pulsed, Modulated and Fast Swichted Diode Lasers; Modules for TCSPC. Please call for detailed information and data sheets. **Please check our website for updated information**.

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Phone +49-(0)30-6392-6929 Telefax +49-(0)30-6392-6561 Email info@picoquant.com WWW http://www.picoquant.com

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