

chronosBH



ChronosBH—ISS technology combined with Becker & Hickl electronics for precise TCSPC measurements using laser diodes and LEDs.

ChronosBH is a time-domain fluorometer with pico-second resolution. Its optical design and automatic instrument control are state-of-the-art for time-resolved fluorometers.

Ready-to-Use & User-Friendly Software

ChronosBH includes Vinci – Multidimensional Fluorescence Spectroscopy, a powerful software package that provides several ready-to-use routines for reliable, user-friendly acquisition of complex fluorescence data:

- Spectra (excitation, emission, synchronous, time-resolved and polarization)
- Measurements at fixed wavelengths (intensity and polarization)
- Measurement of kinetics data
- Time-resolved measurements (lifetimes and rotational correlation times)

Designed for Steady-State & Time-Resolved Applications

Steady-State Measurements

- Intensity measurements at fixed wavelengths
- Polarization (anisotropy) measurements at fixed wavelengths

Time-Resolved Measurements

- Single- and multi-exponential decays
- Anisotropy decays
- Time-resolved kinetics
- Time-resolved spectra
- FRET

Key Features

- Time-domain lifetime measurements with picosecond resolution
- Lifetime measurement range from milliseconds to picoseconds
- Flexible instrument configuration with a variety of light sources
- T-format and parallel beam optical design for fast and precise polarization measurements
- Full automation of instrument components including: cuvette holder, polarizers, shutters, filterwheel, monochromators and stirrers
- PC-controlled integration of temperature path, titrator, stopped-flow apparatus and pressure-pump
- Powered by Vinci - Multidimensional Fluorescence Spectroscopy.

Vinci, the Complete Software Solution for Steady-State and Time-Resolved Applications

A powerful and flexible multidimensional fluorescence spectroscopy software with ready-to-use routines for data acquisition and analysis.

