

# UV-TAPPS

TAPPS is a complete pump/probe transient absorption system designed to assist scientists in understanding the deactivation dynamics of excited states. Applications of this spectroscopic technique extend from the fundamental studies of energy and electron transfer processes in physics, chemistry and biology to the design of logic gates in molecular electronics.

- All-in-one-box set-up for measuring transient absorption
- Compact version optimized for ease-of-use
- UV pump (CPA with SHG and THG) for highest compactness
- Probe wavelength coverage: 450 - 900 nm from Sapphire White Light Continuum
- Temporal window up to 3ns
- 200 fs temporal resolution
- Chirp compensation
- Provides full 3D data set in 30 minutes
- Repetition rate: optimized for the kHz performance from a CPA-Series system from Clark-MXR
- Standard detection sensitivity:  $2 \times 10^{-4}$
- Option with reference channel

