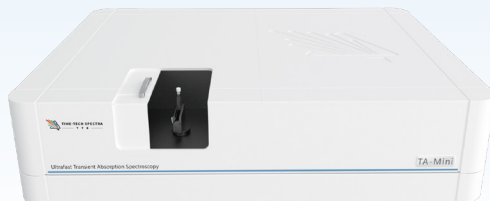


Ultrafast Transient Absorption Spectroscopy System (Integrated laser)

TA-MINI

- Spectral range: Vis, expandable to 380 nm.
- Femtosecond laser (350 fs) with SHG/THG module
- Excitation: 515 nm (2nd harmonic)
343 nm (3rd harmonic)

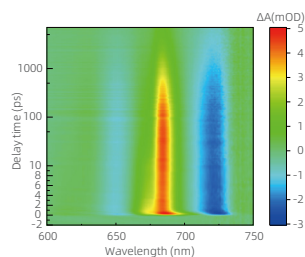


Specifications

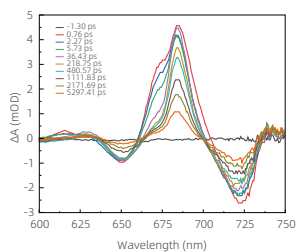
Main	
Spectral range	480 - 950 nm (extendable to 380 nm)
Mode	Transmission/reflection
Time window	4 ns
Sensitivity	≤ 0.1 mOD
IRF	$\leq 1.5 \times$ pulse width
Sample protection	Mini magnetic stirrer
Software	Data acquisition, analysis, and fitting
Fs-Laser	
Repetition rate	100 kHz
Pulse width	400 fs
Single pulse energy	50 μ J

Visible Range Data

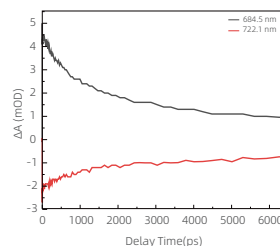
Sample	Bulk MoS ₂
Excitation wavelength	515 nm
Probe wavelength	Vis



TA Spectra



TA Spectra



TA Kinetics