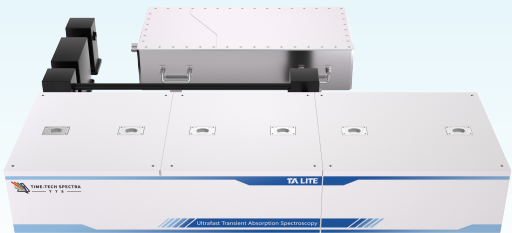


Ultrafast Transient Absorption Spectroscopy System

TA-LITE

- 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	≤1.5 x pulse width
Sample holder	Solution, film, powder
Software	Data acquisition, analysis, and fitting

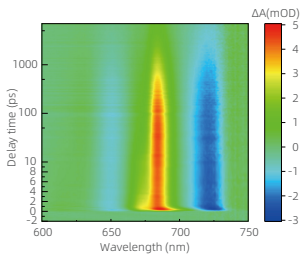
Fs-Laser

Repetition rate	100 kHz
Pulse width	350 fs
Single pulse energy	50 μJ

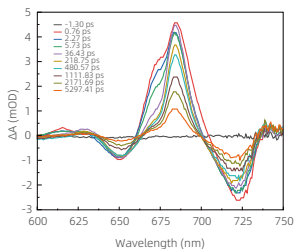
Sample Data

Visible Range Data

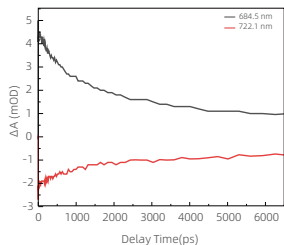
Sample	Bulk MoS ₂
Excitation wavelength	515 nm
Probe wavelength	Vis



TA Spectra

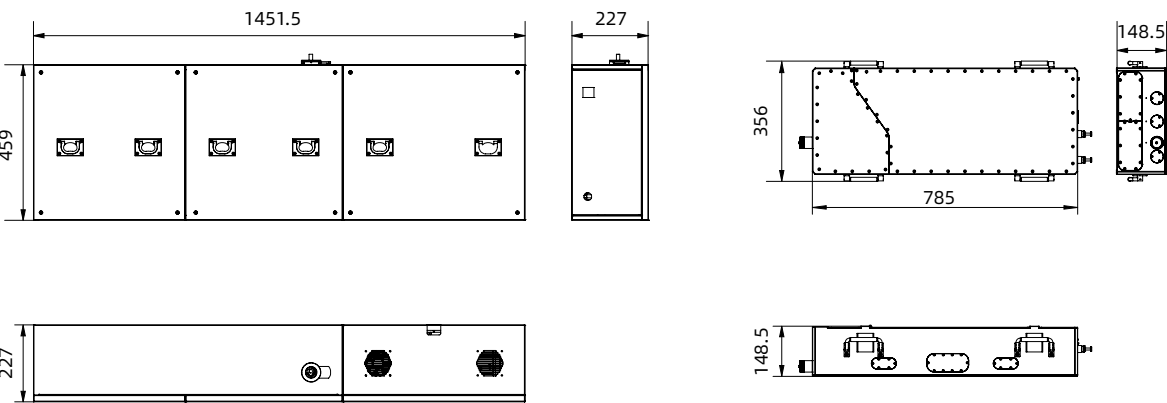


TA Spectra



TA Dynamics

Dimension



Layout

