

2DQuick Visible

HIGH-REP 2D VISIBLE SPECTROMETER



2DQuick Visible is designed to collect high-quality 2D visible spectra quickly and easily. Our spectrometer acquires by combining shot-to-shot pulse shaping and detection at repetition rates up to 100 kHz.

**Fast, flexible,
& easy to use**

CAPABILITIES & FEATURES

- Measure 2D visible spectra
- Measure mid-IR pump-probe kinetics
- Motorized wavelength tuning
- Rapid-scan mode up to 100 kHz
- Design custom pulse sequences
- Complete control and transient data acquisition software package
- Capatable with our Transient actinic pulse delay module

GENERAL

Repetition Rate	≤ 100 kHz
Input Polarization	Linear, Horizontal
Input Beam Size (1/e ²)	4.5 mm, collimated
Pump-Probe Delay	> 150 ps

DIMENSIONS

Base Dimensions	18.0 x 39.0 x 6.3 in (45.7 x 99.1 x 16.1 cm)
With Monochromator & Detector	approx. 21.4 x 50.2 x 6.3 in (approx. 54 x 128 x 16 cm)

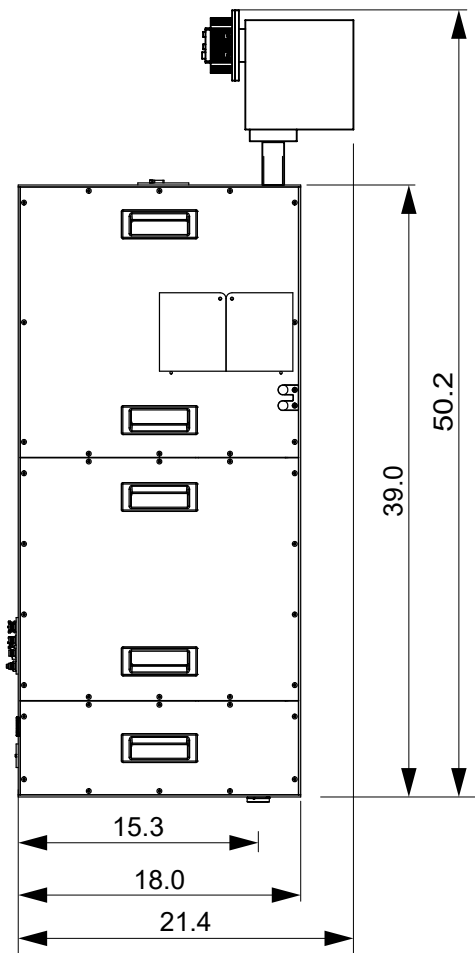
(other monochromator and detector options are also available)

SHAPER

Standard AR Coating	450-900 nm
Spectral Window ¹	155 nm at 675 nm
Spectral Resolution ¹	0.2 nm at 675 nm
Maximum Double Pulse Delay ²	> 3900 fs at 675 nm

¹ Based on our standard gratings and an input diameter of 5 mm. Other gratings are available upon request or can be provided by the user.

² Calculated based on effective pixel size with standard gratings.



Dimensions in inches

Shown with 150 mm monochromator, other options are also available.

**collects a 2D spectrum
in less than 1 second***

* Minimum acquisition time for a single 2D spectrum. Averaging of multiple one-second spectra will generally be required for desired signal-to-noise.