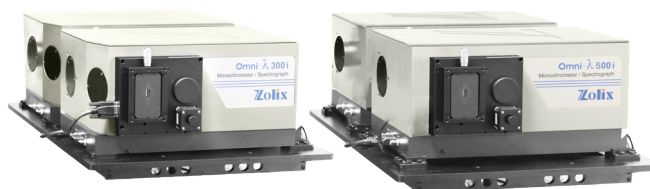


Omni- λ 300Di and Omni- λ 500Di series double monochromator / spectrometer

Function and Features

- Two modes are optional, subtractive or additive dispersion mode
- All-in-one design, convenient for transportation and installation
- Subtractive dispersion mode is suitable for ultra low stray light applications, Additive dispersion mode is suitable for high resolution applications;
- USB 2.0 interface, controlled by software
- Triple grating turret, spanning UV-VIS-NIR spectral range.



Specification

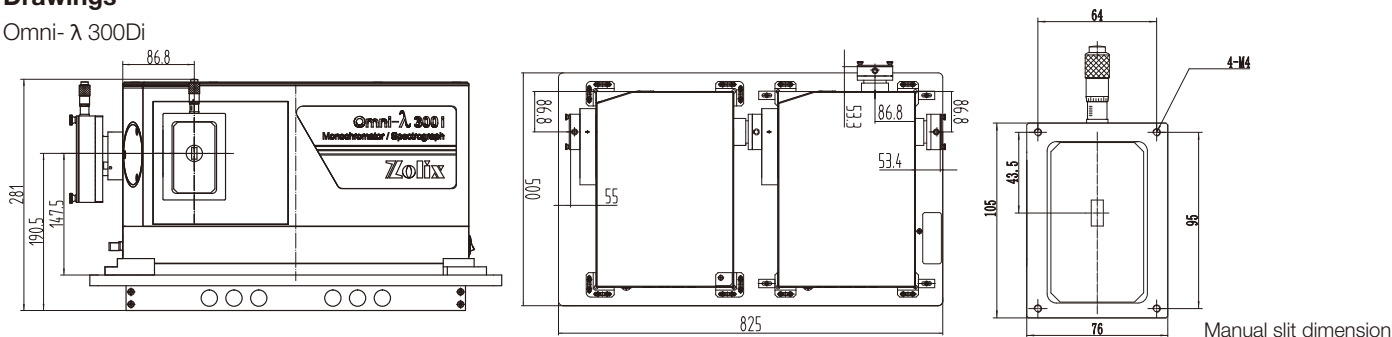
	Omni- λ 300Di		Omni- λ 500Di	
Dispersion mode	Additive	Subtractive	Additive	Subtractive
Focal length(mm)	640	320	1000	500
Aperture Ratios	F/4.2		F/6.5	
Resolution(nm)	0.04	0.08	0.025	0.05
Dispersion(nm/mm)	1.15	2.29	0.75	1.49
Wavelength Accuracy(nm)	± 0.2		± 0.2	
Wavelength Repeatability (nm)	± 0.025		± 0.025	
Step(nm)	0.005		0.005	
Stray light	1×10^{-7}		1×10^{-7}	
Optical Axis Height(mm)	146		146	
Grating Size(mm)	68×68		68×68	
Turret	Triple grating turret		Triple grating turret	
Slit	Width: 0.01-3mm (Motorized or manual slit), Height: 2、4、14 mm, height selectable; 24mm width motorized middle slit		Width: 0.01-3mm (Motorized or manual slit), Height: 2、4、14 mm, height selectable; 24mm width motorized middle slit	
Size (mm)	825×500×281		825×600×281	
Interface	USB 2.0		USB 2.0	

Dispersion measured with 1200g/mm grating @ 435.8nm

Resolution measured with 1200g/mm @ 435.8nm, 10um slit width and 4mm slit height

Drawings

Omni- λ 300Di



Omni- λ 500Di

