

Maya2000Pro 光纤光谱仪



新势力光电供应**Maya2000Pro微型光纤光谱仪**，主要由狭缝、长通滤光片、准直透镜、光栅、聚焦透镜、消高级衍射滤光片、探测器。**Maya2000Pro微型光纤光谱仪**具有灵敏度高、光谱范围宽、动态范围宽的特点，广泛应用于各种物料(固体、液体、气体)的检测系统(反射、透射、辐射)，尤其在荧光、拉曼等微弱信号的探测中发挥着重要作用。针对短波近红外区域(780-1180nm)的特殊应用，**Maya2000Pro-NIR微型光纤光谱仪**可供选择。

Maya2000 Pro Spectrometer	
Detectors	
Type	2D Back-thinned
Options	Hamamatsu S10420(best option for UV-Vis applications)
	Hamamatsu S11510(best option for Vis-NIR applications)
Quantum efficiency	75% peak@600nm(S10420)
	85% peak@700nm(S11510)
Spectroscopic	
Spectral range	~165-1100nm(S10420)
	~400-1180nm(S11510)
Optical resolution(FWHM)	Depends on grating groove density and slit size(multiple options available)
Signal-to-noise ratio at full signal	~450:1
Dynamic range	15000:1(typical)
Integration time	7.2ms to 5s
Fiber optic connector	SMA905 to 0.22 numerical aperture single-strand optical fiber
Electronics	
Power requirement	500mA@+5VDC
Trigger modes	4 modes
Strobe functions	Yes
Interfaces	USB 2.0 and RS-232
Environmental Conditions	
Temperature	0°C to +50°C(operation)

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新势力光电

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Humidity	0-90% non-condensing
Physical	
Dimensions(mm)	182×110×47
Weight	1.18kgs
Maya2000 Pro-NIR Spectrometer	
Detector	
Type	2D Back-thinned
Detector	Hamamatsu S11510(uncooled)
Quantum efficiency	~85% peak QE@700nm, 40% QE@1000nm
Spectroscopic	
Spectral range (preset)	780-1180nm
Optical resolution(FWHM)	~0.82nm
Signal-to-noise ratio at full signal	~450:1
Dynamic range	15000:1(typical)
Integration time	7.2ms to 5s
Fiber optic connector	SMA 905 to 0.22 numerical aperture single-strand optical fiber
Electronics	
Power requirement	500mA@+5VDC
Trigger modes	4 modes
Strobe functions	Yes
Interfaces	USB 2.0 and RS-232
Environmental Conditions	
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