

## Green-Wave 光纤光谱仪



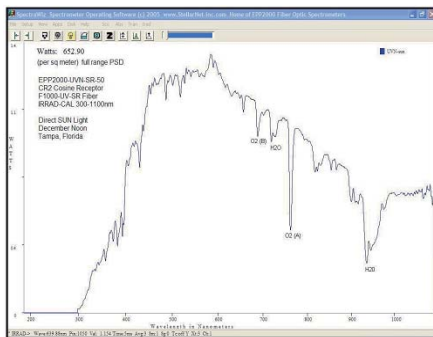
- 低成本系列
- 光谱测量范围 350-1150nm
- 实验室教学理想选择!
- 信噪比 400:1
- 超便携尺寸 1x3x5 inch
- USB-2 即插即用接口, 可用于 Windows XP/Vista/7 系统

## 技术规格

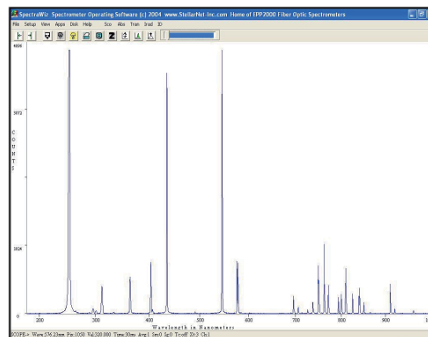
动态范围	2000:1 with 6 decades	光学分辨率	见下表 - to 0.2nm
探测器类型	CCD -2048 pixels	功率	< 100 mA via USB port
像素尺寸	14 x 200 $\mu$ m	积分时间	1ms to 5 seconds - no TEC
衍射光栅	Holographic & Ruled	狭缝选择	14, 25, 50, 100, 200 $\mu$ m
光栅 g/mm	300, 600,1200,1800, 2400	杂散光	<1% at 435nm;<.05% at 600nm
光学平台	f/4, SymX-Czerny-Turner	光纤输入	SMA905 0.22NA single fiber
A/D 转换	16-bit	操作系统	Win XP, Vista, 7, 8, & 10
重量	14 ounces	软件	SpectraWiz program & apps

## 标准型号 2048 像素 CCD/PDA 探测器 狭缝类型决定分辨率

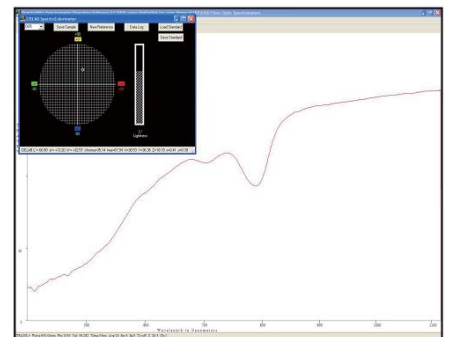
Model	Wavelength Range (nm)	Grating (g/mm)	Slit-200 (nm) res.	Slit-100 (nm) res.	Slit-50 (nm) res.	Slit-25 (nm) res.	Slit-14 (nm) res.
VIS	350-1150	600	6.0	3.2	1.6	1.00	0.80
VIS2	380-780	1200	3.0	1.6	0.8	0.50	0.40
NIR	500-1150	600	6.0	3.2	1.6	1.00	0.80
NIR2	600-1000	1200	3.0	1.6	0.8	0.50	0.40
NIR2b	785-1150	1200	3.0	1.6	0.8	0.50	0.40
NIR3	550-840	1800	2.2	1.2	0.6	0.35	0.28
NIR3b	680-935	1800	2.2	1.2	0.6	0.35	0.28
NIR4	500-700	2400	1.5	0.8	0.4	0.25	0.20
NIR4b	600-800	2400	1.5	0.8	0.4	0.25	0.20



Irradiance spectrum of sunlight



Emission spectra of mercury+argon gas



Transmission spectrum of yellow liquid