

Setup 201

Product:中阶梯光谱仪 Echelle Spectrometer; Model:ARYELLE200(integrated with ICCD for time resolve); Manufacturer:LTB Lasertechnik Berlin GmbH(GERMANY)		
1	Detector 探测器	ICCD 1024 x 1024 Pixel Pixelsize 13 μm x 13 μm cooled
1.1	Mini Gate (ns) 探测器最小门宽(纳秒)	5
2	Wavelength range (no scanning) (nm) 可探测波长范围 (无需扫描, 单次探测) (纳米)	200~750nm (No scanning, No Gaps)
3	Spectral resolving power($\lambda/\Delta\lambda$) 光谱解析能力 (波长与该波长下分辨率之比)	8,000@200~750nm <i>(Practical resolving power, not nominal or pixel resolving power)</i>
4	Spectral resolution(pm) 光谱分辨率 (皮米)	25pm~94pm@200~750nm <i>(Practical resolution, not nominal or pixel resolution)</i> Resolution verification by standard atom lines: <0.032nm@Hg253.652nm
5	Wavelength Calibration 光谱校准标定设备	Built in Hg Lamp 内置 Hg 标准光谱灯; 光谱仪软件内嵌全自动光谱标定程序;
6	Wavelength accuracy 光谱分辨精度	superior to 1/4 spectrum resolution 优于 1/4 光谱分辨率 Wavelength accuracy verification by standard atom lines: <0.008nm@Hg253.652nm
7	NIST(USA) emission lines database NIST 发射光谱数据库;	软件部分要求提供 NIST (美国国家标准局) 发射光谱数据库;
8	发射谱线自动识别功能	软件部分提供元素发射谱线自动识别、自动匹配功能;