

(EZRAM 拉曼光谱仪)



(突出的性能)

- 0.1nm FWHM 500mW Wavelength Stabilized laser.
(0.1nm FWHM 500mW 窄线宽稳频激光器)
- Super precision laser module
(超级精密激光模块)
- High Resolution Spectrometer cooled down to -30C
(高精度光谱仪, 制冷到-30摄氏度)
- Wide Raman Shift Range, ~15cm⁻¹ resolution
(宽拉曼光谱探测范围, ~15波数分辨率)
- Waterproof and ruggedized Enclosure
(坚固的外壳兼具防水)
- Software with complete control and process functions
(软件具备完全仪器控制和数据处理功能)
- Low cost, Low maintenance
(低成本, 低维护)
- Size: 14 x 12 ½ x 7 in
(外壳尺寸14X12.5X7英寸)
- Weight: 10.5 lbs.
(重量 4.73 千克)

(小仪器咨询)

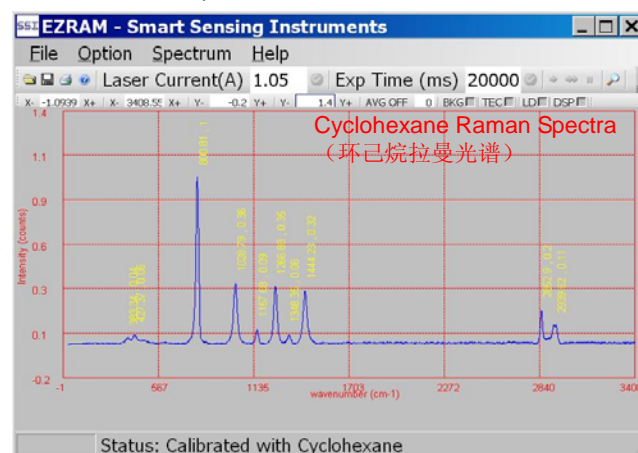
(产品宣传册 (中文))

User can use EZRAM to do the sampling and search within 30 seconds. There is minimum requirement for sample preparation. EZRAM integrated a high resolution detector cooled spectrometer. User can select either a regular line width laser or a narrow line width laser to achieve satisfied results.

The narrow line width, wavelength stabilized laser produces high resolution of Raman spectra. Thanks for the high resolution spectrometer with cooled detector, for most Raman spectra, the narrow line width laser produce very clean spectrum which can meet most application requirements as well as more details in spectra.

用户可以使用EZRAM在30秒时间内来进行扫描和搜索未知物质。EZRAM内含高分辨率带制冷的高端光谱仪，窄线宽稳频蝶形激光。

窄线宽激光可以产生高分辨率的拉曼光谱。得力于高分辨率带制冷的高端光谱仪，窄线宽激光产生的光谱和高端拉曼光谱仪产生的光谱非常相近，可以满足绝大多数场合应用需要，提供更多光谱细节。



Technical Specification EZRAM

(EZRAM技术参数)

SPECIFICATIONS	
Operating Temperature (使用温度)	0C to 35C (摄氏度)
Humidity (湿度)	10%-85% non condensation (非结露)
Spectral Range (光谱范围)	150-3625 cm-1 (波数)
Excitation Wavelength (激发波长)	785nm+/-0.5nm FWHM 0.1nm Wavelength Stabilized (窄线宽稳频 785 纳米蝶形激光)
Excitation Power (激发功率)	Adjustable, 0-350 mW Max (可调)
Spectral Resolution (分辨率)	Minimum 15 cm-1 (最少 15 波数)
Exposure time (曝光时间)	1 sec – 30 sec or Multiple Exposure to unlimited (可多次曝光延长至无限长时间)
Storage Temperature (贮存温度)	-20C to 45C
Collection Optics (探头光学参数)	NA = 0.22, 8mm focal length (焦距), 0.02-1.5mm spot size (曝光点尺寸)
Probe Length (探头长度)	75 – 100cm
Detector Cooling (探测器制冷温度)	TEC Cooled to -30 C (电制冷 -30 摄氏度)
Dynamic Range (动态范围)	1300:1 at least (最差值)
Power Supply (Battery Charger Supply) (电源 (可充电))	+12VDC , 5A
Battery (电池)	LiPoly, Optional (选配)
Battery Charger (充电电源)	On board, Optional (选配)
Library (数据库)	Optional (选配)
Data Export Format (数据格式)	*.BIN, *.CSV, *.SPC
Interface (界面)	Windows Tablet or PC (Windows 平板或者普通电脑)
Language (语言)	English (英语)
Weight (重量)	10.5lb (4.73 千克)
Size (尺寸)	14in x 12.5in x 7in (英寸)
* probe shape, probe color, enclosure's handle color might vary (探头形状、颜色, 外壳颜色可变)	

Legal Liability: The EZRAM is intended to provide initial determination and not for absolute or conclusive identification. Small Device Consulting does not commit any liability for how the results or data to be used.
(法律免责: EZRAM的检测结果只是用来做初步判断, 不是绝对正确的, 不是用来做最终决定的。小仪器咨询对于用户使用导致的任何结果都不负任何责任)

Class 3B Laser Product. Avoid direct exposure to laser beam.
(3B级激光产品, 避免激光束直射伤害)

Package color subject to changes.
(外形颜色可能有变)



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