

Rxn4拉曼光谱分析仪

拉曼光谱分析仪，坚固耐用，测量可靠，全天候不间断过程和质量监测



详细信息和最新价格参见:

www.endress.com.cn/KRXN4B

优势:

- 坚固耐用、工作可靠，高测量精度
- 安装简单、最低维护工作量、最短停机时间
- 全天候实时在线过程测量和控制
- 统一结构设计，模块化结构可直接更换，支持冗余分析仪系统设计
- 安装拉曼RunTime控制软件，通过触摸屏或远程终端直观操作
- 灵活调节系统规模，cGMP合规或中试车间测试兼容
- 输出信号可直接接入危险区或防爆场合中

产品规格参数

- **Laser wavelength** Base model: 532 nm, 785 nm, 1000 nm
Hybrid: 785 nm
- **Spectral coverage** Base Model: 150-4350 cm⁻¹ (532 nm)
150-3425 cm⁻¹ (785 nm) 200-2400 cm⁻¹ (1000 nm) Hybrid:
175-1890 cm⁻¹ (785 nm)

应用领域: Rxn4分析仪采用Kaiser拉曼光谱分析技术，是制造行业和过程领域测量应用的理想选择。Rxn4拉曼光谱分析仪具有高测量分辨率，真正实现实时在线实时过程测量和控制。分析仪配备自监测、自诊断和自校验功能，保证每次测量结果均真实有效。Rxn4拉曼光谱分析仪可叠放安装在标准19"机架上，节省车间的宝贵安装空间。可选配不锈钢外壳，防护等级NEMA 4X。

特征和规格

Liquid

测量原理

Raman spectroscopy

Liquid

Laser wavelength

Base model: 532 nm, 785 nm, 1000 nm

Hybrid: 785 nm

Spectral coverage

Base Model:

150-4350 cm⁻¹ (532 nm)

150-3425 cm⁻¹ (785 nm)

200-2400 cm⁻¹ (1000 nm)

Hybrid: 175-1890 cm⁻¹ (785 nm)

Spectral resolution

Base model (average):

5 cm⁻¹ (532 nm)

4 cm⁻¹ (785 nm)

5 cm⁻¹ (1000 nm)

Hybrid:

4 cm⁻¹ (785 nm) average

Channels

Base model:

Up to four channels

Hybrid:

Up to two channels

Temperature

Base model:

Operating: 5 to 35 °C (532 nm, 785 nm); 5 to 30 °C (1000 nm)

Storage: -15 to 50 °C

Hybrid:

Operating: 5 to 35 °C

Storage: -15 to 50 °C

Enclosure configuration:

Operating: 5 to 50 °C (all wavelengths)

Storage: -15 to 50 °C

Relative humidity

20-80% RH, non-condensing

Liquid

Input voltage

Base model and Hybrid:
100-240 V, 50-60 Hz, $\pm 10\%$
Enclosure configuration:
115 V $\pm 10\%$, 60 Hz -OR-
230 V $\pm 10\%$, 50/60 Hz

Power consumption (W)

Base model and Hybrid:
400 (max)
250 (typical start-up)
120 (typical running)
Enclosure configuration:
1560 (max)
1560 (typical start-up)
750 (typical running)

Warm up time (minutes)

Base model and Hybrid:
120
Enclosure configuration:
240

Unit dimensions (width x height x depth in mm)

Base model and Hybrid:
483 x 267 x 556
Enclosure configuration:
1175 x 1480 x 826 (with optional trolley)

Weight (kg)

Base model and Hybrid:
28.5
Enclosure configuration:
185.5 (with optional trolley)

Liquid

Sampling probe compatibility

Base model and enclosure configuration:

Raman Rxn-10 (with accessory optics), Rxn-40, Rxn-41, Rxn-45, Rxn-46

Hybrid:

Channel 1 - Raman Rxn-20 (with accessory optics)

Channel 2 - Raman Rxn-10 (with accessory optics), Rxn-40, Rxn-41, Rxn-45, Rxn-46

Automation interface

OPC

Modbus

HTTPS

(contact us for other options)

Installation options

Base model and Hybrid:

19-inch rack package

Enclosure configuration:

NEMA 4X enclosure; wall-mountable, mobile trolley, or fixed stand

Hazardous area certifications

Base model and Hybrid:

ATEX, CSA, IECEx

Enclosure configuration:

Call support for options

Solids

测量原理

Raman spectroscopy

Laser wavelength

Base model: 532 nm, 785 nm, 1000 nm

Enclosure configuration: 532 nm, 785 nm, 1000 nm

Hybrid: 785 nm

Solids

Spectral coverage

Base Model and Enclosure configuration:

150-4350 cm⁻¹ (532 nm)

150-3425 cm⁻¹ (785 nm)

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4 cm⁻¹ (785 nm) average

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Up to four channels

Hybrid:

Up to two channels

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Solids

Sampling probe compatibility

Base model and enclosure configuration:

Raman Rxn-10 (with accessory optics)

Hybrid:

Channel 1 - Raman Rxn-20 (with accessory optics)

Channel 2 - Raman Rxn-10 (with accessory optics)

Automation interface

OPC

Modbus

HTTPS

(contact us for other options)

Installation options

Base model and Hybrid:

19-inch rack package

Enclosure configuration:

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Hazardous area certifications

Base model and Hybrid:

ATEX, CSA, IECEx

Enclosure configuration:

Call support for options

Gases

测量原理

Raman spectroscopy

Laser wavelength

Base model: 532 nm

Enclosure configuration: 532 nm

Spectral coverage

Base Model and Enclosure configuration:

150-4350 cm⁻¹ (532 nm)

Gases

Spectral resolution

Base model and Enclosure configuration (average):
5 cm⁻¹ (532 nm)

Channels

Base model and Enclosure configuration:
Up to four channels

Temperature

Base model:
Operating: 5 to 35 °C
Storage: -15 to 50 °C
Enclosure configuration:
Operating: 5 to 50 °C (all wavelengths)
Storage: -15 to 50 °C

Relative humidity

20-80% RH, non-condensing

Input voltage

Base model:
100-240 V, 50-60 Hz, ±10%
Enclosure configuration:
115 V ±10%, 60 Hz -OR-
230 V ±10%, 50/60 Hz

Power consumption (W)

Base model:
400 (max)
250 (typical start-up)
120 (typical running)
Enclosure configuration:
1560 (max)
1560 (typical start-up)
750 (typical running)

Gases

Warm up time (minutes)

Base model:

120

Enclosure configuration:

240

Unit dimensions (width x height x depth in mm)

Base model:

483 x 267 x 556

Enclosure configuration:

1175 x 1480 x 826 (with optional trolley)

Weight (kg)

Base model:

28.5

Enclosure configuration:

185.5 (with optional trolley)

Sampling probe compatibility

Raman Rxn-30

Automation interface

OPC

Modbus

HTTPS

(contact us for other options)

Installation options

Base model and Hybrid:

19-inch rack package

Enclosure configuration:

NEMA 4X enclosure; wall-mountable, mobile trolley, or fixed stand

Gases

Hazardous area certifications

Base model and Hybrid:

ATEX, CSA, IECEX

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Call support for options

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