

Raman Rxn2 analyzer

Bridge your application from the laboratory to the process environment



Benefits:

- Reliable real-time, in situ measurements
- Intuitive, embedded control software via touchscreen or remote interface
- Convenience of a single base unit supporting up to four probes
- Sequential operation for fast analysis per channel and programmable channel interrogation
- Converts acquired Raman spectra into process knowledge using built-in multivariate predictors
- Suitable for outputs into hazardous area/classified environments
- cGLP/cGMP compatible

Specs at a glance

- **Laser wavelength** Starter: 785 nm Base Model: 532 nm, 785 nm, 1000 nm Hybrid: 785 nm
- **Spectral coverage** Starter: 300-3300 cm⁻¹ (785 nm) 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)

More information and current pricing:

www.us.endress.com/KRXN2B

Field of application: Adeptly harness the power of Raman spectroscopy with the Raman Rxn2 analyzer. Designed for use in analytical laboratories with model transfer capabilities, the Raman Rxn2 is heavily relied on for routine sample identification, support of R&D projects, early process development, and scale-up settings for in situ analysis. Available as a benchtop or on a mobile wheeled cart, the Raman Rxn2 offers location convenience and portability for process development laboratories.

Features and specifications

Liquid**Measuring principle**Raman spectroscopy

Laser wavelength

Starter: 785 nm

Base Model: 532 nm, 785 nm, 1000 nm

Hybrid: 785 nm

Spectral coverage

Starter:

300-3300 cm^{-1} (785 nm)

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

Starter:

10 cm^{-1} (average)

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

Starter:

Single channel

Base Model:

Up to four channels

Hybrid:

Up to two channels

Liquid**Temperature**

Operating:

15 to 30 °C

Storage:

-15 to 50 °C

Relative humidity

20-80% RH, non-condensing

Input voltage

100-240 V, 50-60 Hz, ±10%

Power consumption (W)

400 (max)

250 (typical start-up)

120 (typical running)

Warm up time (minutes)

120

Unit dimensions (width x height x depth in mm)

Benchtop model: 279 x 483 x 592

Cart model: 685 x 1022 (to tabletop) x 753

Weight (kg)

Base model: 32

Cart model: 93

Sampling probe compatibility

Starter:

Raman Rxn-10 (with accessory optics)

Base model:

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

Liquid

Automation interface

OPC
Modbus
HTTPS
(contact us for other options)

Installation options

Benchtop (standard) or mobile wheeled cart

Hazardous area certifications

ATEX, CSA, IECEx

Solids

Measuring principle

Raman spectroscopy

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Gases

Measuring principle

Raman spectroscopy

Laser wavelength

532 nm

Gases**Spectral coverage**150-4350 cm⁻¹ (532 nm)

Spectral resolution5 cm⁻¹ (532 nm)

ChannelsUp to four channels

Temperature

Operating:

15 to 30 °C

Storage:

-15 to 50 °C

Relative humidity20-80% RH, non-condensing

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Weight (kg)

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Cart model: 93

Sampling probe compatibilityRaman Rxn-30

Gases

Automation interface

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Modbus

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(contact us for other options)

Installation options

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