

## Raman Rxn2 analyzer

Bridge your application from the laboratory to the process environment



More information and current pricing:

[www.casc.endress.com/KRXN2B](http://www.casc.endress.com/KRXN2B)

### 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<sup>-1</sup> (785 nm) Base Model: 150-4350 cm<sup>-1</sup> (532 nm) 150-3425 cm<sup>-1</sup> (785 nm) 200-2400 cm<sup>-1</sup> (1000 nm) Hybrid: 175-1890 cm<sup>-1</sup> (785 nm)

**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

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**Liquid****Measuring principle**Raman spectroscopy

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**Laser wavelength**

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Hybrid: 785 nm

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**Spectral coverage**

Starter:

300-3300 cm<sup>-1</sup> (785 nm)

Base Model:

150-4350 cm<sup>-1</sup> (532 nm)150-3425 cm<sup>-1</sup> (785 nm)200-2400 cm<sup>-1</sup> (1000 nm)Hybrid: 175-1890 cm<sup>-1</sup> (785 nm)

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**Spectral resolution**

Starter:

10 cm<sup>-1</sup> (average)

Base model (average):

5 cm<sup>-1</sup> (532 nm)4 cm<sup>-1</sup> (785 nm)5 cm<sup>-1</sup> (1000 nm)

Hybrid:

4 cm<sup>-1</sup> (785 nm) average

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**Channels**

Starter:

Single channel

Base Model:

Up to four channels

Hybrid:

Up to two channels

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**Liquid****Temperature**

Operating:

15 to 30 °C

Storage:

-15 to 50 °C

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**Relative humidity**

20-80% RH, non-condensing

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**Input voltage**

100-240 V, 50-60 Hz, ±10%

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**Power consumption (W)**

400 (max)

250 (typical start-up)

120 (typical running)

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**Warm up time (minutes)**

120

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**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

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**Weight (kg)**

Base model: 32

Cart model: 93

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**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

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## Liquid

**Automation interface**

OPC  
Modbus  
HTTPS  
(contact us for other options)

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**Installation options**

Benchtop (standard) or mobile wheeled cart

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**Hazardous area certifications**

ATEX, CSA, IECEx

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## Solids

**Measuring principle**

Raman spectroscopy

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**Laser wavelength**

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

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### Installation options

Benchtop (standard) or mobile wheeled cart

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### Hazardous area certifications

ATEX, CSA, IECEx

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## Gases

### Measuring principle

Raman spectroscopy

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### Laser wavelength

532 nm

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**Gases****Spectral coverage**150-4350 cm<sup>-1</sup> (532 nm)

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**Spectral resolution**5 cm<sup>-1</sup> (532 nm)

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**Channels**Up to four channels

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**Temperature**

Operating:

15 to 30 °C

Storage:

-15 to 50 °C

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**Relative humidity**20-80% RH, non-condensing

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**Input voltage**100-240 V, 50-60 Hz, ±10%

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**Sampling probe compatibility**Raman Rxn-30

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## Gases

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