

Raman Rxn-30 probe

Providing reliable, quantitative gas-phase measurements in a process environment



Benefits:

- Reliable, quantitative gas-phase measurements
- In situ measurement/no transfer lines or fast loops required
- Can be directly inserted into processes with temperatures up to 150°C and 1,000 psi
- Industry standard installation options
- Direct insertion, side insertion, or sample loop
- Suitable for hazardous area/classified environments

Specs at a glance

- **Laser wavelength** 532 nm
- **Hazardous area certifications** ATEX, CSA, IECEx

More information and current pricing:

www.endress.com/KR30

Field of application: The Raman Rxn-30 probe has cross-industry appeal for its robust gas-phase headspace monitoring, in situ measurements, and material compatibility. Certified for use in hazardous area environments, the Raman Rxn-30 probe can be inserted directly into processes with temperatures up to 150 degrees Celsius and pressures up to 1,000 psi. It is available with a variety of mounting options for maximum installation and sampling flexibility.

Features and specifications

Gases

Measuring principle

Raman spectroscopy

Laser wavelength

532 nm

Gases

Spectral coverage

Probe spectral coverage is limited by the coverage of the analyzer being used.

Temperature

Temperature, Rxn-30 probe:
-20 to 150 °C

Relative humidity

20-95% non-condensing

Maximum laser power into probehead (mW)

<499

Sample interface

Operating temperature, probehead:
-20 to 150 °C
Temperature ramp:
≤6 °C/min

Pressure

Max pressure (Barg): 68.9 (at sample)

Wetted materials

316/316L stainless steel
PTFE
Sapphire
Fused silica glass

Fiber optic cable

Cable sold separately

Gas stream filtration

20 µm or better
Integrated 20 µm particle filter standard with Rxn-30 probes

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