

## Raman Rxn-30 probe

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



F L E X

### 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.ca.endress.com/KR30](http://www.ca.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

---

**Hazardous area certifications**

ATEX, CSA, IECEx

---

More information [www.ca.endress.com/KR30](http://www.ca.endress.com/KR30)