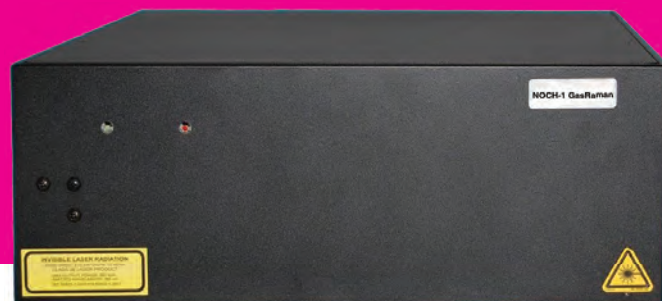


GASRAMAN NOCH-1

HIGH PERFORMANCE GAS-PHASE
PROCESS RAMAN ANALYZER

The GasRaman NOCH-1, a high performance gas-phase raman analyzer, enables multi-gas analysis for industrial process applications at an affordable price. This instrument enables measurement of gases like H₂, N₂, O₂, CO₂, NO₂ at atmospheric pressure to ~0.025%, as well as other gases.



The GasRaman NOCH-1 spectrograph features a 532 nm DPSS laser, a high Rayleigh rejection fiber optic probe, and a high resolution spectrometer achieving up to ~8 cm⁻¹ average optical resolution. Spectral coverage from ~250 - 4,200 cm⁻¹.

The NOCH-1 GasRaman system is ideal for any academic, research, industrial, or other institutions requiring laboratory and/or online gas phase Raman analysis at an affordable price, in addition to all other applications requiring a high performance, low-cost Raman analyzer system.

Features and Benefits

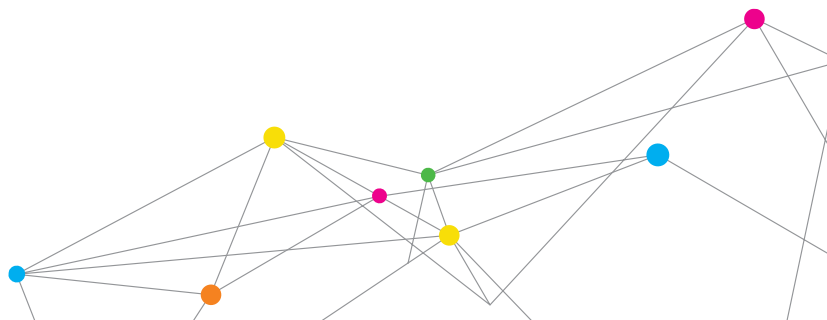
- + Fast and accurate identification and quantification
- + Excellent sensitivity
- + Rapid measurement
- + Not altered by water vapor
- + Analyze a wide variety of gases

Applications

- + Academic
- + Research
- + Industrial



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SPECIFICATIONS

GASRAMAN NOCH-1

HIGH PERFORMANCE GAS-PHASE PROCESS RAMAN ANALYZER

Performance	
Spectral Parameters:	Optical Resolution: ~8cm-1 Spectral Coverage: ~250 cm-1 to 4,200 cm-1 HRP-8 high throughput fiber probe sample interface
CCD	TE Cooled CCD camera to -60°C 16 Bit Digization
System Software	RamanReader-G Gas Analysis Software Data Files Can Be saved as .TXT, .SPC, or .BMP Formats Direct Export/Link to GRAMS or Excel for Post Processing and Modeling Time Chart with Stacked, Overlaid, and Single Spectrum Display Modes Time Trend and Ratio Calculate in Time Chart Mode Auto Base Line, Manual Base Line
Operating Temperature	10°C - 40°C With Thermal Shutdown Protection
Power Requirements	DC power supply (work both for 110/220V) Rechargeable Lithium Battery (~5 hours)
Physical	
Dimesions (L x W x H)	17.25" x 17" x 7"
Weight	30 LBS
Warranty	
One Year for Parts and Labor	

Specifications are subject to change without notice.

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