

470 FLEXI-NOVA SERIES CONTINUOUS LIGHT-DUTY INFRARED HYDROCARBON ANALYZER



APPLICATIONS

Light-duty analyzers for applications or environments that are less intensive. For continuous analysis of Hydrocarbons (as CH₄) in process gas streams using an infrared detector.

FEATURES

- Detector is temperature-controlled or compensated for improved analytical stability
- High ranges available (up to 100.0%)
- Low ranges available (to 1.00%)
- Touch-screen display for gas readings
- Built-in sample pump or pressure regulator
- Non-isolated 4-20mA analog recorder output
- Detector is reliable and non-depleting
- Fast response (T90 - less than 15 seconds)

OPTIONS

- Hi/Low gas and low flow alarms available
- Serial output & data-logger package available
- Light-duty pre-filter & condensate removal
- Up to 6 other gases measured (depending on application)
- Cabinet cooling available

CALIBRATION

- On bottled CH₄ gas for Span
- On bottled N₂ or Air for Zero



Standard NEMA4
wall-mount cabinet



Optional rack-mount cabinet

DESCRIPTION

The Nova FLEXI-NOVA Series Platform has been designed for continuous gas measurements in applications and environments that are less intensive. Lab work, research, clean processes, pre-treated / pre-cleaned produced gases, and others, may benefit from the FLEXI-NOVA series.

Depending on application, some light-duty sample conditioning features may be available. For clean process measurements, percent-level HC's as CH₄ gas.

All sensors / detectors are temperature-controlled or temperature-compensated for maximum analytical stability. Easy calibration using touch-screen controls. Serial Output Package allows connection & data-logging to personal computers via a choice of USB / RS-232 / RS-485.

SPECIFICATIONS

Nova reserves the right to specification changes which may occur with advances in design without prior notice.

Description

Method of Detection:	Single cell, dual wavelength NDIR with no moving parts
Ranges Available:	FLEX 470 - 0-1.00, 2.00, 5.00, 10.0, 30.0, 100.0% HC's
Resolution:	0.01% or 0.1% depending on range purchased
Accuracy and Repeatability:	1% of full scale
Drift:	Less than 2% of full scale per month
Response Time (T-90):	Less than 15 seconds
Ambient Temperature Range:	40 to 104°F (4 to 40°C). Optional: up to 130°F (55°C) with cabinet cooler
Linearity:	Usually ±1.5% of full scale, depending on gas measured
Approximate Size: <i>(Availability of some enclosure types may be dependant on application)</i>	NEMA 4: 51H x 41W x 26D cm (20"H x 16"W x 10"D) RACK MOUNT: 22H x 48W x 47D cm (8.7"H x 19"W x 16"D)
Power:	115VAC 60Hz (220VAC 50Hz available)
Output Options:	4-20mA into 500 ohms isolated; choice of RS232 / RS485 / USB serial connection
Alarms:	High and/or low alarm contacts available, relay contacts SPDT 5A @ 220VAC rating. Low flow alarm optional

UNIQUE APPLICATIONS

The 470 Series analyzers are designed for detection of HC's in *non-corrosive* gas streams. Detector response varies with each HC in the sample gas. Consult Nova for these applications.



NOVA ANALYTICAL SYSTEMS
(A UNIT OF TENOVA GOODFELLOW INC.)

IN USA:
4450 Witmer Industrial Estates, Unit 4 • Niagara Falls, NY • 14301
Tel: 1-800-295-3771 • 716.285.0418 • Fax: 716.282.2937

IN CANADA:
270 Sherman Avenue North • Hamilton, ON • L8L 6N5
Tel: 905.545.2003 • Fax: 905.545.4248

emails:
sales@nova-gas.com / websales@nova-gas.com



www.nova-gas.com