NOVA
Dependable Gas Analysis Solutions

FLEXI-NOVA

FLEXI-NOVA PLATFORM
LIGHT DUTY EX-PROOF GAS ANALYZERS

APPLICATIONS

Light-duty analyzers for applications or environments that are less intensive. For continuous monitoring of process gases such as oxygen (O_2), carbon dioxide (CO_2), carbon monoxide (CO), methane (CH_4), hydrogen (H_2), and others, depending on model. The explosion-proof products in the FLEXI-NOVA platform are offered in a NEMA7 cast aluminum cabinet that is suitable for ***Class 1 Division 1 Groups BCD*** hazardous rated areas.

Standard Configuration:

Standalone NEMA 7 Cabinet

FEATURES

- Sensors/detectors temperature-controlled or compensated for improved analytical stability
- Touch-screen display for gas readings and for start-up programming at installation time
- Magnetic switches allow subsequent calibration and operation control (on standalone N7MC version)
- Built-in sample pump or pressure regulator
- Non-isolated 4-20mA analog recorder outputs follow gas readings

Optional Configurations:

NEMA 7 Gas Detector Cabinet

With Choice of Control Cabinet as follows:

NEMA 4 Control Cabinet

or:

19" Rack Mount Control Cabinet

OPTIONS

- Hi/Low gas and low flow alarms available
- Light-duty pre-filter at sample inlet port
- Oil vapor filter available for some applications
- Two cabinet systems with ex-proof detector cabinet and general purpose control cabinet

NOVA ANALYTICAL SYSTEMS
www.nova-gas.com

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.

The limited size and function of the ex-proof cabinet design means that no sample conditioning features are available. Therefore, the FlexiNova ex-proof series is only suitable for clean process gas measurements. Percent-level gases such as: O2, CO, CO2, CH4, H2 are available. Or for research work involving other clean process gases such as: O2, ppmO2, ppmCO, CO2, ppmCO2, ppmNO, ppmNO2, ppmSO2, ppmH2, etc. may also be available (depending on application conditions).

All sensors / detectors are temperature-controlled or temperature-compensated for maximum analytical stability. Easy calibration using magnetic switches or touch-screen controls (depending on cabinet configuration).

SPECIFICATIONS

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

Description	
Method of Detection:	Depends on model. See specific NOVA brochures.
Ranges Available:	
Resolution:	
Accuracy and Repeatability:	
Drift:	
Response Time (T-90):	
Linearity:	
Ambient Temperature Range:	40 to 104°F (4 to 40°C).
Approximate Size: *(Availability of some enclosure types may be dependant on application)*	EX-PROOF: 61H x 33W x 31H cm (24"H x 13"W x 12"D) 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 non-isolated; choice of RS232 / RS485 / USB serial connection
Alarms:	High and/or Low and Low Flow alarm contacts available, relay contacts SPDT 5A @ 220VAC rating.

UNIQUE APPLICATIONS

All Nova analyzers are built using proven technologies and techniques for use on non-corrosive gas streams. If this product does not suit your application, please contact Nova at 1-800-295-3771. In many cases, we are able to build an analyzer specific to your needs.

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

IN USA:
4450 Witmer Industrial Estates, Unit 4 • Niagara Falls NY • 14305
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

email: sales@nova-gas.com
websales@nova-gas.com

www.nova-gas.com