

NOVA

Dependable Gas Analysis Solutions

800 SERIES CONTINUOUS INDUSTRIAL PROCESS GAS ANALYZERS



APPLICATIONS

For continuous analysis of one gas in clean dry process gas streams. Designed and built using ruggedized tubing and components for harsh industrial environments. Many choices of gas analysis available such as oxygen (O₂), carbon monoxide (CO), carbon dioxide (CO₂), methane (CH₄), hydrogen (H₂), nitrogen oxide (NO), sulfur dioxide (SO₂), ammonia (NH₃), and others.

FEATURES

- Continuous analysis of clean dry process gases
- Industrially hardened tubing, components, and cabinets
- Touchscreen display with accessible menus
- Long-life sensors / detectors
- Microprocessor control with automatic calibration
- Easy-to-maintain modular layouts
- Built-in sample motivation and light filtration included
- 4-20mA recorder outputs

OPTIONS

- Hi/Low gas, low flow, and diagnostic alarms available
- Isolated 4-20mA, RS232, RS485, Ethernet outputs available
- Explosion-proof cabinets and cabinet purge systems available for use in hazardous areas
- Outdoor weather packages for operation in outdoor environments



NOVA ANALYTICAL SYSTEMS

www.nova-gas.com

 **TES** Thomson
Environmental
Systems

www.thomsongroup.com.au

DESCRIPTION

The Nova 800 Series are designed for accurate measurement of one gas in a clean dry sample. Rugged cabinet, components, and tubing for harsh industrial environments. Gas reading is clearly displayed on the front of the analyzer, and transmitted via 4-20mA recorder output. Auto-calibration is included.

MODELS

- 810 - Percent Oxygen by E/C
- 815 - PPM Oxygen by E/C
- 820 - Percent Carbon Dioxide by I/R
- 820L - PPM Carbon Dioxide by I/R
- 825 - Percent Binary Gas Mixtures by TCD
- 830 - Percent Hydrogen by TCD
- 830L - PPM Hydrogen by E/C
- 860 - Percent Sulfur Dioxide by I/R
- 860L - PPM Sulfur Dioxide by I/R or E/C
- 870 - Percent Hydrocarbons (as Methane) by I/R
- 880 - PPM Carbon Monoxide by E/C
- 881 - Percent Carbon Monoxide by I/R
- 881L - PPM Carbon Monoxide by I/R
- 895 - Percent Ammonia by I/R
- 8760 - Percent Combustibles by dual CAT



NEMA 4
Enclosure



NEMA 4X Enclosure
with Hazardous Area
Purge System



NEMA 4X Stainless
Steel Enclosure

SPECIFICATIONS

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

Description	
Ambient Temperature Range:	4 to 40°C (40 to 104°F) standard. -20 to 55°C (-4°F to 131°F) with Outdoor Package
Size and Weight:	NEMA 4 & 4X 24" H x 24" W x 10" D @ 40 lbs (61 x 61 x 25 cm @ 18.1 kg) * Dimensions will vary depending on enclosure style and options required.
Power:	115VAC 60Hz (220VAC 50Hz available)
Output Options:	4-20ma into 500 ohms non-isolated standard Isolated 4-20mA, RS232, RS485, or Ethernet optional
Alarms:	High and/or low alarm contacts available, relay contacts SPDT 5A @ 220VAC rating. Low flow alarm optional

UNIQUE APPLICATIONS

All Nova analyzers are built using proven technologies and techniques. 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.



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