



Dependable Gas Analysis Solutions

760 SERIES PROCESS COMBUSTIBLES ANALYZER



APPLICATIONS

For continuous analysis of combustibles in process gas streams.

FEATURES

- Fast warm-up and response to combustibles
- Easy-to-read digital readout
- 4 - 20 mA output signal for recording
- NEMA 4 weather-proof cabinet is standard
- Easy-to-maintain modular layout
- Built-in sample pump or pressure regulator

OPTIONS

- Hi/Low gas and low flow alarms available
- Isolated 4-20mA outputs available
- 'Sonalert' loud audible alarm
- Bright red strobe light
- Cold weather package for operation to -5°F (-20°C)
- Cabinet coolers can be fitted to most models
- Optional corrosion-resistant or explosion-proof cabinets available
- Air make-up systems for samples without sufficient air for sensor to function

CALIBRATION

- On known ambient air for combustibles zero
- On analyzed gas of target combustible in air for span



Wall Mount (N4) Enclosure
Model 760N4
(shown with optional strobe)



Explosion-Proof (N7MC) Enclosure
Model 760N7MC

NOVA ANALYTICAL SYSTEMS

www.nova-gas.com

DESCRIPTION

The Nova 760 Series Combustibles Analyzers are designed for the continuous detection of combustibles such as methane in air. The combustibles detector is of the catalytic type with an expected life of between 3-4 years. The sensor needs only a short warm-up time after the analyzer is turned on.

The 760 Series analyzers are housed in a wall-mounted NEMA 4 enclosure as standard. A NEMA 4X corrosion-resistant enclosure is also available. The 760 Series would normally be calibrated on methane in air unless otherwise specified. An air make-up system is available to allow this model to be used on applications without sufficient air in the sample gas for sensor to function.

MODELS

There are three types of mounting configurations available. All tubing connections are 1/4" SS FPT.

- 760N4 - Wall mounted NEMA4 (IP65) enclosure rating
- 760N4X - Wall mounted corrosion-resistant NEMA4X (IP65) enclosure rating
- 760N7MC: Wall mounted NEMA7 UL/CSA explosion-proof with non-intrusive magnetic calibration, Class 1 Div 1 Group

SPECIFICATIONS

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

Description		
Method of Detection:	Catalytic-style sensor	
Ranges Available:	0-5.0% or 0-10.0% combustibles standard on all models	(LEL combustibles monitoring also available; consult Nova)
Resolution:	0.1% combustibles	
Accuracy and Repeatability:	±2% of full scale	
Drift:	Less than 1% F.S. per hour after warm up in constant ambient temperature	
Response Time (T-90):	15 seconds, not including sample transport time to analyzer	
Ambient Temperature Range:	32-122°F (0-50°C). Lower temperatures (-5°F, -20°C) with Cold Weather Package.	
Linearity:	±2% of full scale	
Size and Weight:	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 optional	
Alarms:	High and/or low alarm contacts optional, relay contacts SPDT 5A @ 220VAC rating; low flow alarm optional	

UNIQUE APPLICATIONS

The Model 760 is suitable for combustibles analysis in process gases only; not for ambient air monitoring. 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.



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