

# NOVA 760 SERIES

## COMBUSTIBLES ALARM MONITORS

### APPLICATIONS

*Industrial plant areas where potentially explosive gases or vapors may exist.*



### OPTIONS

- 'Fail Safe' alarms available
- Strobe light
- Heated and weatherproof enclosures for outdoor use
- Explosion proof enclosures
- Low flow alarm (Model 760P)
- NEMA 4X enclosure

### FEATURES

- Fast response to the presence of LEL combustibles
- Fast warm up
- LED digital readout – no reading errors
- Built in 'Sonalert' audible alarm
- Two alarm levels – 'Alert' and 'Alarm'. Acknowledge button to silence audible alarm
- Easy to use, maintain and calibrate
- Output signal for recording
- NEMA 12 wall mounted fiberglass enclosure is standard
- Two versions available: diffusion sensing (760) and flow through sensing (760P)
- Model 760P has built in pump and flowmeter

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# DESCRIPTION

The Nova 760 Series Combustibles Alarm Monitors are designed for the continuous detection of lower explosive limits (LEL) of combustibles in air such as methane. 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 monitor is turned on.

Two versions of the 760 Combustibles Alarm Monitor are available:

760D - Diffusion type sensor designed for use around furnaces or processes where combustible gases may be present.

760P - Designed similar to 760D but with built in sample pump to draw in sample from another location. This version may also be used with the Nova Model 402AS automatic sequencer which allows the monitor to be time shared over many sample points (up to 12).

The 760 Series Monitors are housed in a wall mounted NEMA 12 fiberglass enclosure as standard. A NEMA 4X enclosure (with window) and a panel mounted, pumped sample version are also available. The 760 Series would normally be calibrated on methane in air unless specified otherwise.

# SPECIFICATIONS

DESCRIPTION	
<b>Range:</b>	0-100% LEL combustibles is standard on all models.
<b>Accuracy and Repeatability:</b>	Better than 1% of full scale
<b>Drift:</b>	Less than 1% full scale per week
<b>Warm Up Time:</b>	1-2 minutes
<b>Response Time:</b>	Less than 10 seconds to 90% step change
<b>Operating Temperature Range:</b>	32 - 120°F (0 - 40°C)
<b>Operating Humidity Range:</b>	0 - 90% non-condensing
<b>Readout:</b>	LED digital
<b>Power:</b>	115VAC 50/60 Hz. 220/240V also available
<b>Enclosure:</b>	NEMA 12 standard; NEMA 4X optional Panel mount also available – add PM to suffix of model number
<b>Alarms:</b>	Dual high combustibles alarm lights and relays. Relays SPDT – 5A @ 230 VAC rating. Audible alarm with acknowledge button included.
<b>Options Available:</b>	Strobe light and/or large audible alarm horn available as options. Low flow alarm available on Model 760P
<b>Size and Weight:</b>	12" H x 10" W x 7" D @ 12 lbs. (30 x 25 x 17.5 cm @ 5.4 kg)

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

## NOVA ANALYTICAL SYSTEMS INC.

IN U.S.A. • 1925 Pine Avenue, Niagara Falls, NY 14301 • Tel.: 1-800-295-3771 (716) 285-0418 • Fax: (716) 282-2937  
 IN CANADA • 270 Sherman Avenue North, Hamilton, Ontario L8L 6N5 • Tel.: (905) 545-2003 • Fax: (905) 545-4248  
 Web Site: [www.nova-gas.com](http://www.nova-gas.com) • Email: [sales@nova-gas.com](mailto:sales@nova-gas.com)