

# NOVA

## MODEL 600 SERIES

### PORTABLE MULTI-GAS ANALYZER

#### APPLICATIONS

*For ambient air or confined space monitoring for up to any six choices of O<sub>2</sub>, CO<sub>2</sub>, SO<sub>2</sub>, NO, NO<sub>2</sub>, H<sub>2</sub>, CO, CL<sub>2</sub>, NH<sub>3</sub>, H<sub>2</sub>S, LEL combustibles, temperature and % RH*



#### OPTIONS

- Built in data logger
- Audible & visual alarms
- Built in printer

#### FEATURES

- Microprocessor controlled
- Separate electrochemical sensors for O<sub>2</sub>, CO, SO<sub>2</sub>, NO, NO<sub>2</sub>, CL<sub>2</sub>, H<sub>2</sub>S, NH<sub>3</sub> and H<sub>2</sub>
- Sensitive infra red detector for CO<sub>2</sub>
- Catalytic sensor for combustibles
- Capacitive ceramic sensor for % RH
- Separate LCD digital readouts for each gas (with backlighting)
- Built in sampling pump
- Rechargeable battery operation
- Easy to operate and calibrate
- Fast warm up

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## DESCRIPTION

The Nova Model 600 Series Portable Multi-gas Analyzers are convenient and accurate instruments for monitoring up to six gases simultaneously from ambient air samples.

A built in sample pump draws in the sample gas where it is analyzed by up to six separate detectors. These detector outputs are then amplified then

displayed on separate, easy to read digital front panel meters.

The electrochemical sensors for O<sub>2</sub>, CO, SO<sub>2</sub>, NO, NO<sub>2</sub>, CL<sub>2</sub>, H<sub>2</sub>S, H<sub>2</sub> and NH<sub>3</sub> have a long service life of several years. The microprocessor NDIR detector for CO<sub>2</sub>, the RH sensor and the temperature sensor all have an infinite life.

An add-on data logger is also available for up to seven channels.

Audible and visual alarms are optionally available. When this option is ordered, alarms are also provided for low battery and blocked sample flow.

## SPECIFICATIONS

DESCRIPTION	
<b>Measured Gases and Ranges:</b>	Customer's choice of 0-25% O <sub>2</sub> , 0-5000 PPM CO <sub>2</sub> , 0-20.0 PPM SO <sub>2</sub> , 0-200 PPM H <sub>2</sub> , 0-100 PPM NO, 0-20.0 PPM NO <sub>2</sub> , 0-200 PPM CO, 0-10.0 PPM CL <sub>2</sub> , 0-25 PPM H <sub>2</sub> S, 0-100 PPM NH <sub>3</sub> , 0-100% RH and 0-50°C (Other ranges available)
<b>Display:</b>	Separate LCD digital meter for each gas
<b>Accuracy and Repeatability:</b>	± 2% of full scale all gases
<b>Drift:</b>	Less than 1% of full scale or 1 PPM per 8 hours, whichever is greater, with constant ambient temperature
<b>Warm Up:</b>	Less than 2 minutes for all gases
<b>Response Time:</b>	Varies with individual sensors but generally under 2 minutes for full reading
<b>Operating Temperature Range:</b>	40 to 120°F (4 to 49°C)
<b>Operating Humidity Range:</b>	0-90% RH non condensing
<b>Battery Charging:</b>	Minimum of 16 hours for full recharge. Analyzer may be used while recharging. Charger included.
<b>Size and Weight:</b>	15" W x 7" H x 12" D (375 x 175 x 305 mm) @ 14 lbs. (6.4 kg)
<b>Power:</b>	115VAC 60 Hz (220V 50 Hz available) for recharger

*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.: 1-800-295-3771 (905) 545-2003 • Fax: (905) 545-4248  
 Website: [www.nova-gas.com](http://www.nova-gas.com) • Email: [sales@nova-gas.com](mailto:sales@nova-gas.com)