



Dependable Gas Analysis Solutions

## 317 SERIES

### PORTABLE ANALYZER FOR HYDROCARBONS



For analysis of propane or gasoline vapors from a closed vessel.

#### FEATURES

- Rugged design that is easy to operate
- Fast warm-up and response
- Solid state infrared detector
- Calibrates on 100% propane
- Digital readout meter with backlight
- Modular layout that is easy to maintain
- Rechargeable battery operation
- Built-in sample pump, filter and flow meter
- Weatherproof (WP) cabinet with clear cover
- Stainless steel probe with sample hose

#### OPTIONS

- Recorder outputs of 0-1V or 4-20mA
- Suitcase (K) style cabinet available
- AC power only operation
- Detachable/portable data logger
- High HC alarm with LED

#### CALIBRATION

- Air for zero
- 100% propane for span



Weatherproof (WP) Enclosure



Suitcase (K) Enclosure

NOVA ANALYTICAL SYSTEMS

[www.nova-gas.com](http://www.nova-gas.com)

## DESCRIPTION

The Nova 317 Series Portable Hydrocarbon Analyzer is designed for the measurement of propane or gasoline vapor (using a correction factor) from a closed vessel.

The built-in sampling pump draws in a sample through an external hose where it then passes through a filter, flow meter and infrared detector for measurement. The measurement results are then displayed on an easy-to-read digital meter with switchable backlight.

A built-in rechargeable battery has enough power for about 5 hours of continuous operation and the analyzer can be used while it is recharging. A red LED indicates when to recharge the analyzer and a green LED indicates that it is receiving recharging power. A recharger is included.

## SPECIFICATIONS

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

Description	
<b>Method of Detection:</b>	NDIR infra red detector (no moving parts)
<b>Ranges Available:</b>	0-100.0% propane (other ranges available)
<b>Resolution:</b>	0.1% propane
<b>Accuracy and Repeatability:</b>	± 2% of full scale
<b>Drift:</b>	Less than 2% of full scale per week
<b>Response Time (T-90):</b>	10-15 seconds
<b>Ambient Temperature Range:</b>	32-120°F (0-50°C)
<b>Linearity:</b>	± 2% of full scale
<b>Size and Weight:</b>	WP style - approx. 10" L x 7½" H x 6½" D @ 8 lbs (25.5 x 19 x 16.5 cm @ 3.6 kg) K style approx. 14" L x 6" H x 10½" D @ 8 lbs (35.5 x 15.2 x 26.6 cm @ 3.6 kg)
<b>Power:</b>	AC/DC operation. 115VAC 60Hz for recharging (other voltages available)
<b>Output Options:</b>	4-20 mA or 0-1 VDC
<b>Alarms:</b>	High HC alarm (optional)

## UNIQUE APPLICATIONS

User should observe all locally established precautionary measures when sampling potentially flammable or explosive spaces.

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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