

# NOVA MODEL 334

## PORTABLE PROCESS HELIUM ANALYZER

### APPLICATIONS

*For checking process helium concentrations.*



"WP" Case



"K" Case

### FEATURES

- Long life thermal conductivity detector cell
- Built in sample pump
- Digital readout
- Lightweight, compact and easy to use
- Rechargeable battery operated
- Fast response
- Accurate and stable readings
- No warm up wait
- Two case styles available

### OPTIONS

- Recorder outputs
- Rugged carrying case
- Built in audible and visual alarms

**NOVA ANALYTICAL SYSTEMS INC.**

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## DESCRIPTION

The Nova Model 334 Portable Analyzer has been designed for the detection of helium (He) primarily in air or nitrogen. However, it can be used in some other applications with several background gases present. Consult Nova on these applications.

The 334 has a built in sample pump, filters, flowmeter, rechargeable 'gel cell' battery and LED lights to tell when to recharge and to verify charging. The recharger is included.

The thermalconductivity detector cell provides a fast and accurate measurement of Helium. It has an expected life of over 10 years unless contaminated.

Output of either 0-1 VDC or 4-20 ma are available as well as a built in audible and visual alarm. The alarm set point is field adjustable.

Two case styles are also available.

## CALIBRATION

On ambient air for zero. On a cylinder of 100% helium for span.

## SPECIFICATIONS

DESCRIPTION	
<b>Ranges:</b>	0-100.0% He in air or in N <sub>2</sub>
<b>Accuracy and Repeatability:</b>	± 2% of full scale
<b>Response Time:</b>	90% of final reading in 10 seconds
<b>Sampling:</b>	By built in sample pump, filter, flowmeter, and 8 ft. (2.5 m) sample hose
<b>Operating Temperature Range:</b>	55° to 140°F (12° to 60°C) (for best accuracy)
<b>Power for Recharging:</b>	110-120 VAC 60 Hz or 220-240 VAC 50 Hz
<b>Sample Temperature:</b>	100° to 180°F (-40° to 80°C)
<b>Readout:</b>	LCD digital ('WP' Case) LED ('K' Case). Resolution 0.1%
<b>Size and Weight:</b>	12" L x 8" W x 7-1/2" H (30 x 20 x 19 cm) "WP" Case 9.5" L x 7" W x 6-1/2" H (24 x 17.5 x 16 cm) "K" Case
<b>Weight:</b>	Approx. 8 lbs. (3.6 kg)
<b>Optional Output:</b>	0-1 VDC or 4-20 ma
<b>Sample Flow:</b>	1 LPM
<b>Warm Up Time:</b>	10 seconds

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

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