

# NOVA

## MODEL 335WP

### PORTABLE HYDROGEN ANALYZER

#### APPLICATIONS

*For analysis of hydrogen in a binary gas mixture in process gases such as H<sub>2</sub> in air, H<sub>2</sub> in nitrogen, H<sub>2</sub> in CO<sub>2</sub>, H<sub>2</sub> in argon, H<sub>2</sub> in O<sub>2</sub>, etc.*



#### FEATURES

- Long life thermalconductivity detector cell
- Built in sample pump
- Digital readout with backlight
- Lightweight, compact and easy to use
- Rechargeable 'gel cell' battery operated
- Fast response
- Accurate and stable readings
- No warm up wait
- Rugged weatherproof enclosure suitable for harsh environments

#### OPTIONS

- 4-20ma recorder output
- Rugged carrying case
- Flow control valve for use with pressurized samples

# DESCRIPTION

The Nova Model 335WP Portable Analyzer has been designed for the measurement of hydrogen, primarily in a binary gas mixture such as H<sub>2</sub> in N<sub>2</sub>, or H<sub>2</sub> in air, etc. However, it can be used in some other applications with several background gases present. Consult Nova on these applications.

The 335WP 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 hydrogen. It has an expected life of over 10 years unless contaminated. It cannot be burned out due to loss of flow or changing gas mixtures.

# SPECIFICATIONS

| DESCRIPTION                         |   |
|-------------------------------------|---|
| <b>Ranges:</b>                      | Any range between 0-10% and 0-100.0% H <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 12 ft. sample hose  |
| <b>Operating Temperature Range:</b> | 55° to 90°F (12 to 32°C) (for best accuracy)                        |
| <b>Power for Recharging:</b>        | 115VAC 60Hz (other voltages available)                              |
| <b>Sample Temperature:</b>          | Sample gas should be pre-cooled to room temperature before analysis |
| <b>Readout:</b>                     | LCD digital. Resolution 0.1% H <sub>2</sub>                         |
| <b>Size and Weight:</b>             | 13"L x 8"W x 7-1/2"H (32 x 20 x 19 cm) @ 8 lbs (3.6 kg)             |
| <b>Optional Output:</b>             | 4-20 ma   |
| <b>Sample Flow:</b>                 | 2 CFH (.9 L/min.)   |
| <b>Warm Up Time:</b>                | 10 seconds  |
| <b>Accessories:</b>                 | 12 ft. sample hose and 10" S.S. probe.                              |

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

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