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Phone: (716) 285-0418 • **Fax:** (716) 282-2937**Item # 600 Series, Portable Multi-Gas Ambient Air Analyzer**

For ambient air or confined space monitoring for up to any four choices of O₂, CO₂, NO, NO₂, CO, LEL combustibles, temperature, and % RH. Single gas versions are also available for H₂S, SO₂, Cl₂, HCL & NH₃.



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Specifications

Method of Detection

O₂, CO, SO₂, NO, NO₂, H₂, CL₂, NH₃ and H₂S by electrochemical sensor, % RH by dielectric ceramic sensor, CO₂ by infrared sensor, combustibles by catalytic sensor

0-100 PPM NO

0-100% RH

0-20 PPM H₂S0-20 PPM NH₃0-20.0 PPM CL₂

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|-------------------------------------|---|
| Ranges Available | 0-20.0 PPM NO ₂ 0-200 PPM CO 0-200 PPM H ₂ 0-25.0% O ₂ 0-50°C Temp. 0-50.0 PPM SO ₂ 0-5000 PPM CO ₂ |
| Resolution | 0.1% on % gas, 1 PPM on PPM gas |
| Accuracy & Repeatability | ±2% of full scale |
| Drift | Less than 1% of full scale or 1 PPM per 8 hours, whichever is greater, with constant ambient temperature |
| Response Time (T-90) | Varies with individual sensor but generally under 2 minutes for full reading |
| Ambient Temperature Range | 4 to 49 °C 40 to 120 °F |
| Linearity | ±2% of full scale or 1 PPM, whichever is greater |
| Size & Weight | 15" W x 7" H x 12" D @ 14 lbs. (374 x 175 x 305 mm @ 6.4 kg) |
| Power | 115 VAC, 60 Hz for recharging 220 VAC, 50 Hz |
| Output Options | 0-1 VDC 4-20 mA |
| Alarms | Audible and visual alarms are optionally available as well as low battery and low flow |
| Unique Applications | <p>Warm up time is approximately two minutes however NO and NH₃ may take up to 2 hours for full stability. The operating humidity range for this series of analyzers is 0-90% RH non-condensing. All Nova analyzers are built using proven technologies and techniques. If this product does not suit your application, please contact Nova. In many cases, we are able to build an analyzer specific to your needs.</p> |

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| Models & Configuration Guidelines | Standard system comes with 'K' series suitcase-style enclosure, built-in sampling pump, flow meter, pre-filter, liquid block, 12 ft (3.6 m) sample hose, rechargeable battery, and recharger. |
| Gases Measured | 0) NH ₃ - 0-20 PPM 1) O ₂ - 0-25.0% 2) CO - 0-200 PPM 3) CO ₂ - 0-5000 PPM 4) LEL Combustibles (not avail. for 501 Series) 5) H ₂ S - 0-20 PPM 6) SO ₂ - 0-50 PPM 7) NO - 0-100 PPM 8) NO ₂ - 0-20 PPM 9) Cl ₂ - 0-20 PPM |
| Industry Type | Indoor Air Quality Personnel Safety Steel Making |

Applications

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For ambient air or confined space monitoring for up to any four choices of O₂, CO₂, SO₂, NO, NO₂, H₂, CO, Cl₂, NH₃, H₂S, LEL combustibles, temperature, and % RH.

Features

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- Rugged design that is easy to operate and maintain
- Fast warm-up and response
- Separate electrochemical sensor for O₂, CO, SO₂, NO, NO₂, H₂, Cl₂, NH₃, and H₂S
- Sensitive infrared detector for CO₂

- Catalytic sensor for combustibles
- Capacitive ceramic sensor for % RH
- Digital readout with backlighting for each gas
- Built in sampling pump, flow meter, filter and 12 ft. sampling hose
- Rechargeable battery
- Rugged suitcase (K) style case

Options

- Audible and visual alarms
- Built in printer

Calibration

- Nitrogen (N₂) for zero
- Analyzed gas cylinders for span