



Novo

ALL-IN-ONE EMISSIONS ANALYZER

Fast / Easy / Robust / Accurate

- O₂, CO, CO₂, Temperature, Draft & Pressure Included
- Simultaneous Gas Pressure + Combustion Measurements
- **Cracked Heat Exchanger Test** 
- Optional Built-in Printer
- Long Life O₂ Sensor (4 Years)
- New Dual Range (Low/High) Sensor Technology
- Low NO_x and SO_x sensors
- 15 Preprogrammed Fuels Including Natural Gas, Oil, Propane & Biofuels
- BIO 5%, B20, B50, B80, B100 Fuels
- CO Protection Dilution Pump
- Rechargeable Li-Ion Batteries
- Integrated water trap with LED backlight for easy maintenance
- Differential Pressure Manometer
- Draft Measurement
- Mobile App for iOS and Android



Built-in printer



Field Replaceable Sensors



O₂, CO Gas Sensors



7" Touch Color Display



Mobile App - iOS, Android



Simultaneous Combustion + Gas Pressure



Bluetooth®



Seitron Smart Analysis



Windows Software
Seitron Smart Analysis



INDUSTRIAL COMBUSTION & EMISSIONS GAS ANALYZERS

MEASUREMENT	SENSOR	RANGE	RESOLUTION	ACCURACY	
O2 Long life	Electrochemical	0 .. 25.0% vol	0.1% vol	±0.2% vol	
CO sensor with Over Range protection (NOx filter) - Dual Range	Electrochemical	0 .. 500 ppm	0.1 ppm	±2 ppm ±5% measured value	0 .. 40.0 ppm 40.1 .. 500.0 ppm
		501 .. 8000 ppm	1 ppm	±5% measured value ±10% measured value	501 .. 2000 ppm 2001 .. 8000 ppm
CO Mid	Electrochemical	0...20000 ppm	1 ppm	±10 ppm ±5% v.m. ±10% v.m.	0 .. 200 ppm 201 .. 4000 ppm 4001 .. 20000 ppm
CO High	Electrochemical	0...100000 ppm	1 ppm	±100 ppm ±10% v.m.	0 .. 1000 ppm 1001 .. 100000 ppm
NO	Electrochemical	0...500.0 ppm	0.1 ppm	±2 ppm ±5% v.m.	0 .. 40 ppm 40.1 .. 500.1 ppm
		501...5000 ppm	1 ppm	±10% v.m.	501 .. 5000 ppm
NO2	Electrochemical	0...100.0 ppm	0.1 ppm	±2 ppm ±5% v.m.	0 .. 40 ppm 40.1 .. 100.1 ppm
		101...1000 ppm	1 ppm	±10% v.m.	101 .. 1000 ppm
SO2	Electrochemical	0...500.0 ppm	0.1 ppm	±2 ppm ±5% v.m.	0 .. 40 ppm 40.1 .. 500.1 ppm
		501...5000 ppm	1 ppm	±10% v.m.	501 .. 5000 ppm
H2	Electrochemical Sensor	0...2000 ppm	1 ppm	± 10 ppm ± 10% v.m.	0 ppm .. 100 ppm 101 ppm .. 2000 ppm
H2 High	Electrochemical Sensor	0...40000 ppm	10 ppm	± 100 ppm ± 10% v.m.	0 ppm .. 1000 ppm 1001 ppm .. 40000 ppm
H2S	Electrochemical Sensor	0...5000 ppm	1 ppm	± 10 ppm ± 10% v.m.	0 ppm .. 100 ppm 101 ppm .. 5000 ppm
H2S Low	Electrochemical Sensor	0...500.0 ppm	0.1 ppm	±5 ppm ±5% v.m.	0 .. 100.0 ppm 101 .. 500.0 ppm
NH3 Low	Electrochemical Sensor	0...500.0 ppm	0.1 ppm	±10 ppm ±10% v.m.	0 .. 100.0 ppm 100.1 .. 500.0 ppm
CxHy	Pellistore Sensor	0..5% vol CH4	0.01% vol	±0.25% abs	
CH4 NDIR	NDIR Sensor	0..100% vol	0.01% vol	±0.3 vol ±10% v.m.	0% .. 10% vol 10.01% .. 100.00% vol
CO2 NDIR	NDIR Sensor	0..100% vol	0.01% vol	±1 vol ±2% fs	0% .. 10.00% vol 10.01% .. 50.00% vol
CO2	Calculated	0 .. 99.9% vol	0.1% vol		
NOx	Calculated				
Air Temperature	TcK sensor	-4.0 .. 2282.0 °F -20.0 .. 1250.0 °C	32.18 °F 0.1 °C	±0.5 °C ±0.5% 1250 °C)	32 .. 212 °F (0 .. 100 °C) 213.8 .. 2282.0°F (101 ..
Stack Temperature	TcK sensor	-4.0 .. 2282.0 °F -20.0 .. 1250.0 °C	32.18 °F 0.1 °C	±0.5 °C ±0.5% 1250 °C)	32 .. 212 °F (0 .. 100 °C) 213.8 .. 2282.0°F (101 ..
Pressure (draft & differential)	Piezo Resistive	-40.1 .. +80.4 inH2O	0.004 inH2O	±1% measured value ±0.08 inH2O ±1% measured value	-40.1 .. -0.81 inH2O -0.80 .. +0.80 inH2O +0.81 .. +80.4 inH2O
Differential Temperature	Calculated	32.0 .. 2282.0 °F 0 .. 1250.0 °C	33.8 °F 0.1 °C		
Air Index	Calculated	0.00 .. 9.50	0.01		
Excess Air	Calculated	0 .. 850 %	1 %		
Stack losses	Calculated	0.0 .. 100.0 %	0.1 %		
Efficiency	Calculated	0.0 .. 100.0 %	0.1 %		
Warranty	4 years on O2 Sensors and 2 years on Analyzer, CO Sensor, Probe				



Features:

- Built-in Printer
- CO Air Free
- Altitude Adjustment
- Field Replaceable Sensors
- Combustion Efficiency, Losses, Excess Air
- CO sensor protection
- Draft & Differential Pressure
- Temperature Measurements
- 7" Color Touch Screen
- Bluetooth Connectivity
- Long Lasting Rechargeable Battery & AC Charger
- Gas Sampling Probe & Hose

Novo Kits Include:

- Combustion Analyzer
- Gas probe with 12" (300 mm) interchangeable tip
- 10 ft (3m) Single Connection Hose
- Integrated water trap
- Manometer Hoses
- Outdoor Combustion Air Temp Probe
- AC Power Adapter & Cable
- Hard plastic kit case
- Quick Guide
- Calibration Certificate

Model	Description
Novo 3	Analyzer w/ O2, CO, NO/NOx, CO2, Efficiency, Excess Air, Draft, Pressure, Temp, Rechargeable Battery & AC Plug, 12" (300mm) Probe with 10 ft (3 m) Hose, Hard Case, Calibration Certificate, Operating Manual, Cheat Sheet, Integrated Water Trap, Data Storage, PC Software, Bluetooth, Differential Pressure Manometer Kit, Outdoor Air Temperature Probe + iOS and Android App included.
Novo 3-P	All In One Kit with BUILT-IN Printer. Analyzer w/ O2, CO, NO/NOx, CO2, Efficiency, Excess Air, Draft, Pressure, Temp, Rechargeable Battery & AC Plug, 12" (300mm) Probe with 10 ft (3 m) Hose, Hard Case, Calibration Certificate, Operating Manual, Cheat Sheet, Integrated Water Trap, Data Storage, PC Software, Bluetooth, Differential Pressure Manometer Kit, Outdoor Air Temperature Probe + iOS and Android App included.
Novo 4S	Analyzer w/ O2, CO, NO, SO2, Total NOx, CO2, Efficiency, Excess Air, Draft, Pressure, Temp, Rechargeable Battery & AC Plug, 12" (300mm) Probe with 10 ft (3 m) Hose, Hard Case, Calibration Certificate, Operating Manual, Cheat Sheet, Integrated Water Trap, Data Storage, PC Software, Bluetooth, Differential Pressure Manometer Kit, Outdoor Air Temperature Probe + iOS and Android App included.
Novo 4S-P	All In One Kit with BUILT-IN Printer. Analyzer w/ O2, CO, NO, SO2, Total NOx, CO2, Efficiency, Excess Air, Draft, Pressure, Temp, Rechargeable Battery & AC Plug, 12" (300mm) Probe with 10 ft (3 m) Hose, Hard Case, Calibration Certificate, Operating Manual, Cheat Sheet, Integrated Water Trap, Data Storage, PC Software, Bluetooth, Differential Pressure Manometer Kit, Outdoor Air Temperature Probe + iOS and Android App included.
Novo 4N	Analyzer w/ O2, CO, NO, NO2, Total NOx, CO2, Efficiency, Excess Air, Draft, Pressure, Temp, Rechargeable Battery & AC Plug, 12" (300mm) Probe with 10 ft (3 m) Hose, Hard Case, Calibration Certificate, Operating Manual, Cheat Sheet, Integrated Water Trap, Data Storage, PC Software, Bluetooth, Differential Pressure Manometer Kit, Outdoor Air Temperature Probe + iOS and Android App included.
Novo 4N-P	All In One Kit with BUILT-IN Printer. Analyzer w/ O2, CO, NO, NO2, Total NOx, CO2, Efficiency, Excess Air, Draft, Pressure, Temp, Rechargeable Battery & AC Plug, 12" (300mm) Probe with 10 ft (3 m) Hose, Hard Case, Calibration Certificate, Operating Manual, Cheat Sheet, Integrated Water Trap, Data Storage, PC Software, Bluetooth, Differential Pressure Manometer Kit, Outdoor Air Temperature Probe + iOS and Android App included.
Novo 4C	Analyzer w/ O2, CO, NO, CxHy, Total NOx, CO2, Efficiency, Excess Air, Draft, Pressure, Temp, Rechargeable Battery & AC Plug, 12" (300mm) Probe with 10 ft (3 m) Hose, Hard Case, Calibration Certificate, Operating Manual, Cheat Sheet, Integrated Water Trap, Data Storage, PC Software, Bluetooth, Differential Pressure Manometer Kit, Outdoor Air Temperature Probe + iOS and Android App included.
Novo 4C-P	All In One Kit with BUILT-IN Printer. Analyzer w/ O2, CO, NO, CxHy, Total NOx, CO2, Efficiency, Excess Air, Draft, Pressure, Temp, Rechargeable Battery & AC Plug, 12" (300mm) Probe with 10 ft (3 m) Hose, Hard Case, Calibration Certificate, Operating Manual, Cheat Sheet, Integrated Water Trap, Data Storage, PC Software, Bluetooth, Differential Pressure Manometer Kit, Outdoor Air Temperature Probe + iOS and Android App included.

INDUSTRIAL COMBUSTION & EMISSIONS GAS ANALYZERS

SIMULTANEOUS GAS PRESSURE + COMBUSTION READING + DRAFT

Thanks to Novo's ability to measure combustion parameters and gas pressure simultaneously, service time is drastically reduced and the need for separate devices is minimized.

PRO/CHART ANALYSIS MODES



- Select Equipment Type
- Stabilize Combustion readings in GREEN Zone for optimal combustion
- View Stoichiometric Chart/Graph
- Customize Manufacturer's Specific Ranges

GAS PRESSURE + COMBUSTION + DRAFT



- View LIVE Draft, Gas Pressure & Combustion Results at the SAME TIME
- Print or Save Gas Pressure
- No need for separate external manometer



7" RESPONSIVE TOUCH SCREEN

The new device has been redesigned to give the user an improved and easy-to-use experience. The analyzer includes a large 7" touchscreen, granting maximum visibility of all information along with quick and smooth browsing experience.

NEW CRACKED HEAT EXCHANGER TEST



- Detects potential cracks in forced-air furnace heat exchangers by comparing oxygen levels with the blower off and on
- Quick and reliable process to identify potential hazards before they escalate

NEW DRAFT PROBE (#AJDR01)



- External probe for NoVO enables measurements at alternate flue points
- Offers enhanced flexibility and diagnostic accuracy
- Perfect for technicians needing precision across multiple stack zones

Novo Series

Emissions Analyzers Selection Guide



PARAMETERS	Novo 3	Novo 3-P	Novo 4	Novo 4-P
# of Gases	3	3	4	4
O2 Long-Life (4 years)	✓	✓	✓	✓
CO2, (Calculated from O2), 0 - 100%	✓	✓	✓	✓
CO Measurement w/NOx filter, 0 - 8000 ppm	✓	✓	✓	✓
CO Over Range Protection 0 - 100,000 ppm	✓	✓	✓	✓
NO/NOx included 0 - 5,000 ppm	✓	✓	✓	✓
Low-NOx Capable 0 - 500.0 ppm	✓	✓	✓	✓
TOTAL NOx (NO + NO2 Included)	-	-	✓	✓
Ambient Temperature Measurement	✓	✓	✓	✓
Stack Temperature Measurement	✓	✓	✓	✓
Differential Pressure Manometer	✓	✓	✓	✓
Draft Measurement	✓	✓	✓	✓
Excess Air Calculation	✓	✓	✓	✓
Ambient CO Monitor	✓	✓	✓	✓
Simultaneous Measurement of Combustion + Pressure	✓	✓	✓	✓
Capable of measuring NO2, SO2, CxHy, H2S, H2, NH3, Direct CO2	-	-	✓	✓
High Altitude Adjustment	✓	✓	✓	✓

FEATURES

Built-In Printer (Non-Fading Paper)	Optional	✓	Optional	✓
Wireless Bluetooth® Printer	Optional	-	Optional	-
FIELD-REPLACEABLE Pre-Calibrated Sensors	✓	✓	✓	✓
Mobile App + QR code	✓	✓	✓	✓
PC Software	✓	✓	✓	✓
Automatic data Logging	✓	✓	✓	✓
Combustion Efficiency Measurements for All Atmospheric & Condensing Systems	✓	✓	✓	✓
Rechargeable Battery w/ AC Charger	✓	✓	✓	✓
Display Screen	7" Touch	7" Touch	7" Touch	7" Touch
Carrying Case	Hard	Hard	Hard	Hard