



reddot winner 2022

**4 YEARS WARRANTY ON
INSTRUMENT AND GAS
SENSORS**



Seitron Smart Analysis



**Seitron Smart Analysis
Windows 10**



Novo

UP TO 4 SENSORS

PORTABLE COMBUSTION ANALYZER

7" Touch Display

**15 Preprogrammed Fuels
(Including Wood, Pellets, Biogas And Coal)**

CO Protection Dilution Pump

Rechargeable Li-Ion Batteries

**Integrated and easy to clean water trap, with LED
backlight**

4 Pa Ventilation Measurement

Simultaneous measurement of boiler gas pressure

Draught Measurement

Tightness Test

Biomass Combustion Analysis

EVERY KIT INCLUDES:

- Instrument
- Flue gas probe with 300 mm interchangeable tip
- Integrated water trap
- Combustion air temperature Probe
- Tube for gas valve pressure measurement
- Power Adapter and International Plug
- Hard plastic kit case
- Quick Guide
- Calibration Certificate

MAIN FEATURES

- Precalibrated Gas Sensors
- 3 analysis in sequence with automatic calculation of the average value and printing of the result
- Automatic autozero (with flue gas sampling probe inserted in the chimney)
- Autozero pressure sensor, for a more stable and reliable draft measurement
- Self-diagnosis with verification of the functions and status of the sensors
- Language selectable by the user
- Automatic calculation of pipe volume
- Integrated magnets
- 100 MB for complete analysis memory
- Dimensions:
Analyzer 270Hx93Lx68D mm, weight 0,9 Kg
Kit 125Hx465Lx335D mm, weight 5 Kg

MEASURED VALUES

- Flue gas temperature and differential temperature
- Outdoor air temperature and room temperature
- Draft and differential pressure
- CO concentration in ambient air

CALCULATED VALUES

- Boiler efficiency, including condensation
- Stack losses and excess air
- CO
- Flow velocity with Pitot tube
- Burning power

FEATURES	Novo 2	Novo 3	Novo 4S	Novo 4N
O2 Sensor	✓	✓	✓	✓
CO/H2 Sensor	✓	✓	✓	✓
NO Sensor	-	✓	✓	✓
NOx Calculated	-	✓	✓	✓
NO2 Sensor	-	-	-	✓
NOx Measured (NO+NO2)	-	-	-	✓
SO2 Sensor	-	-	✓	-
Kit with integrated Printer	Novo 2-P	Novo 3-P	Novo 4S-P	Novo 4N-P
Kit with Bluetooth Printer (Thermal Paper Roll included)	Novo 2-ST	Novo 3-ST	Novo 4S-ST	Novo 4N-ST

Novo X

Modular Gas Analyzer Kit up to 4 sensors (O₂ + up to 3 sensors of your choice)

NEW UPDATED FEATURES



7" touch screen (85x155mm)

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.

Integrated water trap

The water trap design has been completely renewed to guarantee maximum performance and easy maintenance. A large inspection window with backlit LED allows the user to quickly and very easily check the water level and filter at any time.



New Updated Analyzer Housing

Reliability and ease of use have represented the development guidelines for Novo, also inspiring the new cover. With a rubber finish, which confers a steady and simple grip, as well as a sturdy and modern design, the new housing offers a pleasant and functional user experience.



Simple ONE Probe Connection

One source of major improvement of our analyzer is the innovative flue gas sampling probe connection. Instead of three (3) separated connections for temperature, draft and flue gases, it has been redesigned to just one (1) simple connection. The new connection allows the user to put the probe in without looking thanks to its easy plug-n-play design.



Intuitive interface

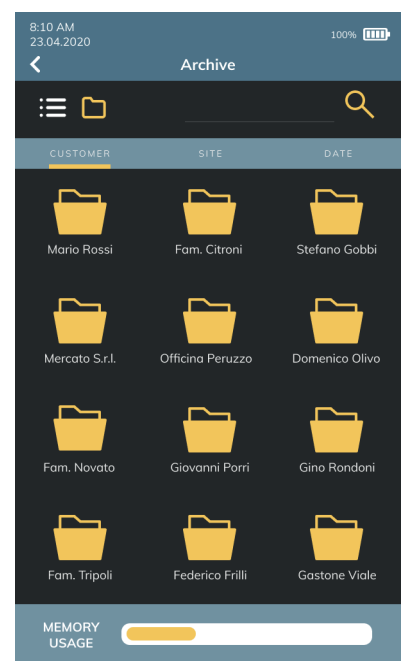
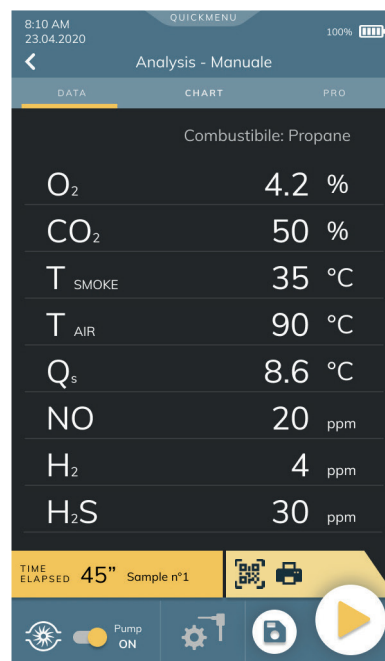
In addition to the elegant and ergonomic design, Novo features a simple, intuitive and efficient touchscreen interface.

The new and intuitive interface allows the user to quickly create customizable combustion reports, set and/or change the parameters of the device, carry out multiple optional measurements, and much more.

There is also the possibility to customize the home screen, with user's profile picture and information.

The combustion report can be shared in different formats or it can be printed by using the built-in integrated printer or the optional wireless Bluetooth printer.

The new generation of LONG-LIFE gas sensors, installed in Novo, enhances reliability and accuracy of the measurements, together with a longer sensor life compared to the competitors.



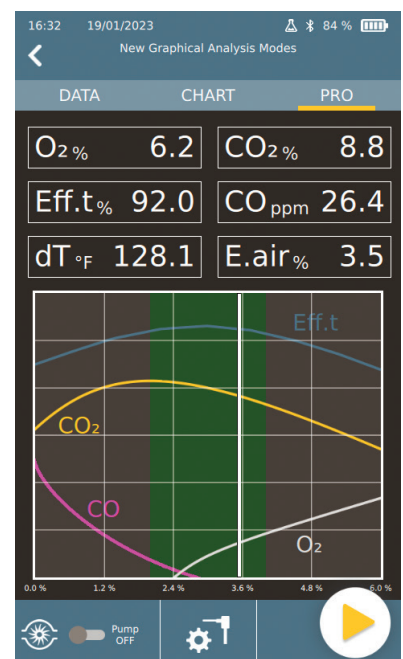
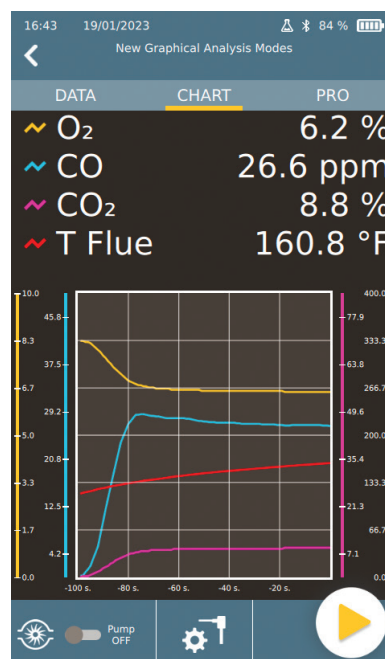
Graphs



View of the values charts detected in real time.

Possibility to change the mode Text data, Graphics, Professional.

In Pro mode it is possible to adjust the boiler by graphically displaying the area in which the values are optimal.















Novo - GAS SENSORS

GAS	CODE	RANGE	RESOLUTION	ACCURACY
O2 Long Life *	Novo O2 LL	0...25% v/v	0.1% vol	±0.2% vol
CO / H2	Novo CO/H2	0...500.0 ppm	0.1 ppm	±2 ppm ±5% v.m. 0 .. 40 ppm 40.1 .. 500.0 ppm
		501...8000 ppm	1 ppm	±10% v.m. 501 .. 8000 ppm
CO Mid	Novo CO Mid	0...20000 ppm	1 ppm	±10 ppm ±5% v.m. ±10% v.m. 0 .. 200 ppm 201 .. 4000 ppm 4001 .. 20000 ppm
CO High	Novo CO High	0...100000 ppm	1 ppm	±100 ppm ±10% v.m. 0 .. 1000 ppm 1001 .. 100000 ppm
NO	Novo NO	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	Novo NO2	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	Novo SO2	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	Novo H2	0...2000 ppm	1 ppm	± 10 ppm ± 10% v.m. 0 ppm - 100 ppm 101 ppm - 2000 ppm
H2 High	Novo H2 High	0...40000 ppm	10 ppm	± 100 ppm ± 10% v.m. 0 ppm - 1000 ppm 1001 ppm - 40000 ppm
H2S	Novo H2S	0...5000 ppm	1 ppm	± 10 ppm ± 10% v.m. 0 ppm - 100 ppm 101 ppm - 5000 ppm
H2S Low	Novo H2S Low	0...500.0 ppm	0.1 ppm	±5 ppm ±5% v.m. 0 .. 100.0 ppm 101 .. 500.0 ppm
NH3 Low	Novo NH3 Low	0...500.0 ppm	0.1 ppm	±10 ppm ±10% v.m. 0 .. 100.0 ppm 100.1 .. 500.0 ppm
CxHy	Novo CxHy	0..5% vol CH4	0.01% vol	±0.25% abs
CH4 NDIR	Novo CH4 NDIR	0..100% vol	0.01% vol	±0.3 vol ±10% v.m. 0 .. 10% vol 10.01% .. 100.00% vol
CO2 NDIR	Novo CO2 NDIR	0..50% vol	0.01% vol	±1 vol ±2% fs 0 .. 10.00% vol 10.01% .. 50.00% vol

*: Sensor replaceable by the user

Accessories and Spare Parts

CODE	PHOTO	DESCRIPTION
AJPB01		Li-Ion Rechargeable Battery; 3,7Vdc - 6 A/h
AJKA02		Power supply with US plug, USB type C and 1.8 m cable
AJCR01		Hard plastic Case
AJTA01		Water trap with flue gas filter
AACFA01		Dust filters for AACTA03 (pack of 5 pieces) dimensions 12x32 mm
AARC10		Long Life thermal paper roll 57x35
AAST04	 batterie include	Thermal printer with Bluetooth connection
AAKT05		Kit for tightness test with 4 ways manifold, manual pump, 100 ml syringe, hoses, 1 silicone conical fitting
AATL01		S-probe with clamp for 8 mm tips, for use on exhaust systems
AAPM02		Manual pump for measuring carbon black + filters + BACHARACH table
<p>Accessories for industrial measurements, high temperatures and particularly dirty smokes</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;">  <p>AJSJxx + AJPTxx Smoke analysis probe</p> </div> <div style="margin: 0 10px;">+</div> <div style="text-align: center;">  <p>AASP01 Heat shield</p> </div> <div style="margin: 0 10px;">+</div> <div style="text-align: center;">  <p>AAFS02 Stainless steel filter with adapter</p> </div> </div>		

CODE	PHOTO	DESCRIPTION
AJTB01		Gas pressure tube; length 1 m
AJKP01		Differential pressure measurement Kit
AJSJ01		Flue gas sampling probe handle with 1.8 m cable
AJSJ02		Flue gas sampling probe handle with 3 m cable
AJPT01		Interchangeable 180 mm tip for AJSJ01 handle, maximum temperature 400 °C
AJPT02		Interchangeable 300 mm tip for AJSJ01 handle, maximum temperature 600 °C
AJPT03		Interchangeable 750 mm tip for AJSJ01 handle, maximum temperature 800 °C
AJPT04		Interchangeable 1000 mm tip for AJSJ01 handle, maximum temperature 1200 °C
AJPT05		Interchangeable 300 mm flexible tip for AJSJ01 handle, maximum temperature 600 °C
AJEX01		3 m extension cable for smoke sampling probes with handle AJSJ01
AJCP01		External unit for passive sample treatment, for NO ₂ and SO ₂ measurement, compatible with AJSJ-- probe (probes with interchangeable tip for NOVO)
AATT01		"L" shaped Pitot Tube. 300 mm length, 6 mm external diameter. Without thermocouple
AATT02		"L" shaped Pitot Tube. 800 mm length, 6 mm external diameter. Without thermocouple