

**NOVO**  
**COMBUSTION ANALYZER**



**NEW**



## **Novo** PORTABLE COMBUSTION ANALYZER UP TO 4 SENSORS

**7" Touch Display for easy menu navigation**

**Long Life O2 Sensor (4 Years)**

**Low NOx and SOx sensors**

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

**CO Protection Dilution Pump**

**Rechargeable Li-Ion Batteries**

**Integrated water trap with LED backlight for  
easy maintenance**

**Differential Pressure Manometer**

**Attitude Adjustment**

**Simultaneous measurement of gas and  
combustion results**

**Draft Measurement**

**Mobile App for iOS and Android**

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



**Seitron Smart Analysis**



**Seitron Smart Analysis  
Windows 10**



### **EVERY KIT INCLUDES:**

- Combustion Analyzer
- Gas probe with 300 mm interchangeable tip
- Integrated water trap
- Combustion air temperature Probe
- Gas valve pressure measuring tube
- Power Adapter and International Plug
- Hard plastic kit case
- Quick Guide
- Calibration Certificate

## MAIN FEATURES

- Precalibrated Gas Sensors
- Automatic autozero (with 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 User
- Integrated magnets
- 100 MB for complete analysis memory
- Dimensions:  
Analyzer 270x93x68mm, weight 0,9Kg  
Kit 125x465x335mm, weight 5Kg

## MEASURED VALUES

- Differential Flue gas temperature and Temperature
- Outdoor air temperature and room temperature
- Draft and Differential Pressure
- Ambient CO
- CO in flue gas

## CALCULATED VALUES

- Boiler efficiency, including condensing
- Stack losses and excess air
- Flow velocity with optional 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 Total NOx (NO+NO2)	-	-	-	✓
SO2 Sensor	-	-	✓	-
Kit with integrated Printer	Novo 2P	Novo 3P	Novo 4P S	Novo 4P N
Kit with Bluetooth Printer (Thermal Paper Roll included)	Novo 2 ST	Novo 3 ST	-	-

## Novo X

Modular Gas Analyzer Kit up to 4 sensori (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 innovated 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 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 use experience.



## Simple ONE Probe Connection

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





When performing a combustion analysis of the various combustion parameters, the user may often need also a pressure manometer, in order to simultaneously check and/or adjust gas pressures of the equipment. Thanks to the possibility of measuring combustion parameters and gas pressures at the same time, the newly developed Novo drastically reduces service time and limits the need to use different devices.



## Intuitive interface

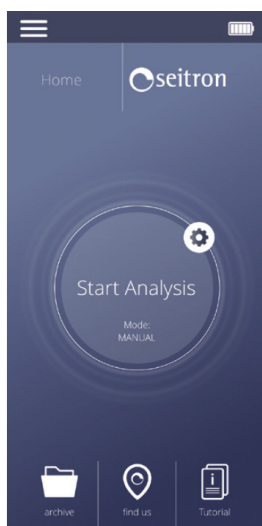
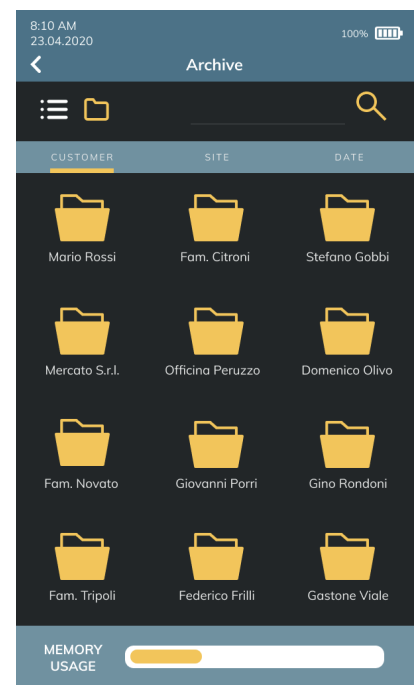
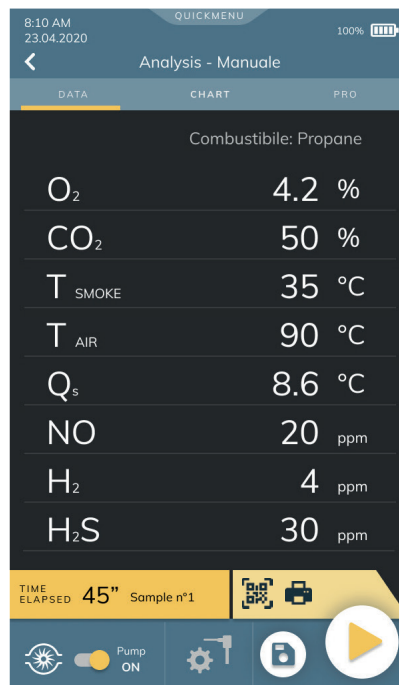
In addition to the elegant and ergonomic design, the Novo features a simple, intuitive and efficient touchscreen interface.

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 so 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 option wireless Bluetooth printer.

The new generation of LONG-LIFE gas sensors, installed in the Novo, enhance reliability and accuracy of measurements, in addition to a longer sensor life compared to competition.



**Seitron Smart Analysis**





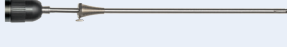



### SEITRON SMART ANALYSIS APP

- Data logging
- Report creation
- QR code or real-time App
- Sharing via e-mail (csv, pdf, xml)

COD.	PHOTO	DESCRIPTION
AJPB01		Li-Ion Rechargeable Battery; 3.7Vdc - 6 A/h
AJKA02		Power supply with US plug, USB type C and 1.8m cable
AJCR01		Hard plastic Case
AJTA01		Water trap with flue gas filter
AACFA01		Dust filters for AACTA03 (pack of 5 pieces)
AARC10		Long Life thermal paper roll 57x35mm
AAST04		Thermal printer with Bluetooth connection



COD.	PHOTO	DESCRIPTION
AJTB01		Gas pressure tube; length 1m
AJSJ01		Smoke sampling probe handle with 1.8 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
AJEX01		3 m extension cable for smoke sampling probes with handle AJSJ01

## Novo - SENSORS GAS

GAS	COD.	RANGE	SENSOR TYPE
O2 Long Life	Novo O2 LL	0...25% v/v	Electochemical Sensor
CO / H2	Novo CO/H2	0...500.0 ppm	Electochemical Sensor
		501...8000 ppm	Electochemical Sensor
CO Mid	Novo CO Mid	0...20000 ppm	Electochemical Sensor
CO High	Novo CO High	0...100000 ppm	Electochemical Sensor
NO	Novo NO	0...500.0 ppm	Electochemical Sensor
		501...5000 ppm	Electochemical Sensor
NO2	Novo NO2	0...100.0 ppm	Electochemical Sensor
		101...1000 ppm	Electochemical Sensor
SO2	Novo SO2	0...500.0 ppm	Electochemical Sensor
		501...5000 ppm	Electochemical Sensor
H2	Novo H2	0...2000 ppm	Electochemical Sensor
H2 High	Novo H2	0...40000 ppm	Electochemical Sensor
H2S	Novo H2S	0...5000 ppm	Electochemical Sensor
H2S Low	Novo H2S low	0...500.0 ppm	Electochemical Sensor
NH3 Low	Novo NH3	0...500.0 ppm	Electochemical Sensor
CxHy	Novo CxHy	0..5% vol CH4	Pellistore Sensor
CH4 NDIR	Novo CH4 NDIR	0..100% vol	NDIR Sensor
CO2 NDIR	Novo CO2 NDIR	0..50% vol	NDIR Sensor

RESOLUTION	ACCURACY	
0.1% vol	±0.2% vol	
0.1 ppm	±2 ppm ±5% v.m.	0 .. 40 ppm 40.1 .. 500.0 ppm
1 ppm	±10% v.m. 501 .. 8000 ppm	
1 ppm	±10 ppm ±5% v.m. ±10% v.m.	0 .. 200 ppm 201 .. 4000 ppm 4001 .. 20000 ppm
1 ppm	±100 ppm ±10% v.m.	0 .. 1000 ppm 1001 .. 100000 ppm
0.1 ppm	±2 ppm ±5% v.m.	0 .. 40 ppm 40.1 .. 500.1 ppm
1 ppm	±10% v.m. 501 .. 5000 ppm	
0.1 ppm	±2 ppm ±5% v.m.	0 .. 40 ppm 40.1 .. 100.1 ppm
1 ppm	±10% v.m. 101 .. 1000 ppm	
0.1 ppm	±2 ppm ±5% v.m.	0 .. 40 ppm 40.1 .. 500.1 ppm
1 ppm	±10% v.m. 501 .. 5000 ppm	
1 ppm	± 10 ppm ± 10% v.m.	0 ppm - 100 ppm 101 ppm - 2000 ppm
10 ppm	± 100 ppm ± 10% v.m.	0 ppm - 1000 ppm 1001 ppm - 40000 ppm
1 ppm	± 10 ppm ± 10% v.m.	0 ppm - 100 ppm 101 ppm - 5000 ppm
0.1 ppm	±5 ppm ±5% v.m.	0 .. 100.0 ppm 101 .. 500.0 ppm
0.1 ppm	±10 ppm ±10% v.m.	0 .. 100.0 ppm 100.1 .. 500.0 ppm
0.01% vol	±0.25% abs	
0.01% vol	±0.3 vol ±10% v.m.	0 .. 10% vol 10.01% .. 100.00% vol
0.01% vol	±1 vol ±2% fs	0 .. 10.00% vol 10.01% .. 50.00% vol

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