



batteries included

**Bluetooth Printer**  
AAST04

**CHEMIST 100 BE GREEN  
WARRANTY: 2 YEARS ON  
INSTRUMENT AND GAS  
SENSORS**



**Seitron Smart Analysis**



## **CHEMIST 100 BE GREEN UP TO 3 SENSORS**

**PORTABLE COMBUSTION ANALYZER**

**B/W Backlit LCD (50 X 50 Mm)**

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

**Rechargeable Lithium Ion Batteries**

**IR Communication**

**Qr Code To Acquire Analysis With Smartphone**

**Draught Measurement (Optional)**

**Tightness Test (Optional)**

### **EVERY KIT INCLUDES:**

- Instrument
- 300 mm Smoke Probe with 2 m cable
- Water trap with dust filter, stainless steel fittings and silicon hose
- Combustion air temperature Probe
- Pressure Measures Kit
- Power Adapter and International Plug
- Hard plastic kit case
- Quick Guide
- Calibration Certificate

## MAIN FEATURES

- Precalibrated gas sensors
- Self diagnostic function with sensors status
- QR code generation
- Automatic recognition of condensing boiler
- Internal memory for 5 analyses
- Up to 10 hrs. autonomy of continuous operation
- Dimensions:  
Analyzer 70Ax60Lx170Pmm, weight 0,35 Kg  
Kit 122Ax406Lx290Pmm, weight 2,35 Kg

## MEASURED VALUE

- Flue gas temperature and Temperature Differential
- Outdoor air temperature and room temperature
- Gage and Pressure Differential
- Ambient CO

## CALCULATED VALUES

- Boiler efficiency, including condensing
- Stack losses

FEATURES	101	101 S	102	102 S	103	103 S
O2 Sensor	✓	✓	✓	✓	✓	✓
CO/H2 Sensor	✓	✓	✓	✓	✓	✓
NO Sensor	-	-	-	-	✓	✓
NOx Calculated	-	-	-	-	✓	✓
Expandable to 3 sensors	-	-	✓	✓	✓	✓
Draft measurement with internal sensor (optional)	-	-	✓	✓	✓	✓
Gas pipe tightness (optional)	-	-	✓	✓	✓	✓
Gas pipes volume automatic calculation (optional)	-	-	✓	✓	✓	✓
Kit with Bluetooth Printer	-	✓	-	✓	-	✓
Thermal Paper Roll	-	✓	-	✓	-	✓

GAS	CODE	RANGE	RESOLUTION	PRECISION
O2 *	AACSE50	0...25% v/v	0.1% vol	±0.2% vol
CO high immunity H2 with NOx filter	AACSE58	0...4000 ppm	1 ppm	±20 ppm ±5% ±10% 0 .. 400 ppm 401 .. 4000 ppm 4001 .. 8000 ppm
NO	AACSE60	0...2000 ppm	1 ppm	±5 ppm ±5% v.m. ±10% v.m. 0 .. 100 ppm 101 .. 1000 ppm 1001 .. 2000 ppm

\* : User Replaceable Sensor

## Gas Analysis Probes

CODE	PHOTO	DESCRIPTION
AASF51A		180 mm flue gas sampling probe, cable length 2m, maximum temperature 400 ° C, without anti-condensation unit
AASF62A		300 mm flue gas sampling probe, cable length 3m, maximum temperature 600 ° C, without anti-condensation unit
AASF71A		180 mm flue gas sampling probe, cable length 1.5m, maximum temperature 400 ° C, without anti-condensation unit
AASF72A		300 mm flue gas sampling probe, cable length 1.5m, maximum temperature 600 ° C, without anti-condensation unit
AASL05A		300 mm flue gas sampling probe, cable length 2m, maximum temperature 600 ° C, without anti-condensation unit

## Modular Probes

CODE	PHOTO	DESCRIPTION
AAAS02		Adapter for Chemist Analyzers with Novo Interchangeable Tip Probes (Compatibility with AJSJ- and AJPT- tips)

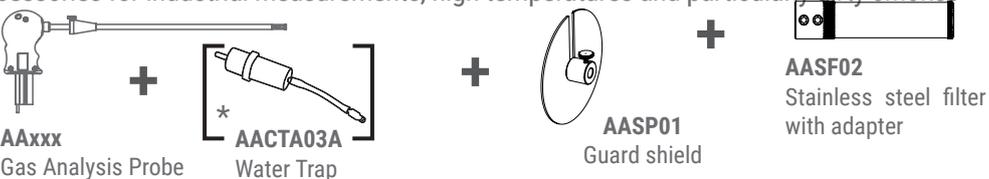
## Printers and Consumables

CODE	PHOTO	DESCRIPTION
AARC10		Long life plain thermal paper roll 57x30
AAST04		Thermal printer with Bluetooth connection

## Accessories for Residential Applications

CODE	PHOTO	DESCRIPTION
AACT001		Silicone conical fitting 44 - 22 mm (for tightness test)
AACT002		Silicone conical fitting 32 - 18 mm (for tightness test)
AAKT05		Kit for tightness test with 4 ways manifold, manual pump, 100 ml syringe, hoses, 1 silicone conical fitting
AAAR01		Threaded 9 mm diameter fitting, 1/4" gas coupling, 1/4" to 1/8" gas nipple (for tightness test)
AAAR02		Gas valve hose adapter: d.i. 7 mm
AASA08		Outdoor air temperature 200 mm TcK probe, with 2 m cable

## Accessories for Industrial Applications

CODE	PHOTO	DESCRIPTION
<p>Accessories for industrial measurements, high temperatures and particularly dirty smokes</p>  <p>AAxxx Gas Analysis Probe + AACTA03A Water Trap + AASP01 Guard shield + AASF02 Stainless steel filter with adapter</p>		
AATL01		S probe with clamp for 8mm tips, for use on waste systems
AACP01		External unit for passive sample treatment, for NO2 and SO2 measurement, compatible with AASJ probe--

\* : If not included in the probe AASFxxx

## SPARE REPLACEMENT PARTS

CODE	PHOTO	DESCRIPTION
AAPB13		Rechargeable Li-Ion battery, 3,7 V 2.6 mAh
AAKA02		Power Adapter with international plug, USB A / USB B with 2 m cable
AACFA01		Fine dust filters for AACTA03 (5 pcs. package) Dimensions 12x32 mm
AACTA03A		Water trap with dust filter, stainless steel fittings and silicon hose suitable for all combustion analyzers

## CASE, HOLSTER AND ACCESSORIES

CODE	PHOTO	DESCRIPTION
AACR09		Hard plastic kit case
AASM07		Rubber holster

## CALIBRATION CERTIFICATE

COD	DESCRIPTION
<b>CER012</b>	ISO 9001 calibration certificate for 2 sensors analyzers
<b>CER013</b>	ISO 9001 calibration certificate for 3 sensors analyzers

To ensure your and your customers' safety, please remind that the current legislation imposes that all measuring instruments must be calibrated by a lab and certified every 12 months.

**UNI 10389-1:2009** – Combustion analyzers

**UNI 11137:2019** – Manometers and analyzers in use also for gas plants leak tests

**UNI 10845:2018** – Manometers and analyzers in use also for open chamber boilers draft