

# COMBUSTION ANALYSER



CHEMIST 100  
**BE GREEN**

2-sensor handheld gas analyzer

Black/white backlit LCD Display

15 Preprogrammed Fuels  
(Including Wood, Pellets, Biogas and Coal)

Rechargeable Li-Ion batteries

Possibility of printing performed analysis on receipts

QR Code to acquire Analysis from smartphone

Draft Measurement

Tightness Test



**2-YEAR WARRANTY  
ON ANALYSER KIT**

## Highlights



### Versatility and simplicity

Basic instrument for complete analysis, including draft measurement and tightness test



### External Bluetooth® printer

Availability of kits with external printer, to print analysis report



### Compact and solid design

Protective rubber case for better manouverability and protection



### Seitron Smart Analysis

Possibility to download, share and print analysis on smartphones, via mobile app



### Comprehensive analysis

Intuitive interface for fast and effective analysis

## MAIN FEATURES

- Precalibrated gas sensors
- Self-diagnosis with verification of the functions and status of the sensors
- Visualisation and sharing of analysis data with QR code reading
- Automatic recognition for condensing boiler
- Internal memory for 5 complete analysis
- Up to 10 hours of battery life
- Dimensions (HxWxD):  
Analyser 70x60x170 mm; 0.35 Kg  
Kit 122x406x290 mm; 2.35 kg

## MEASURED VALUES

- Flue gas temperature and differential temperature
- Differential draft and pressure
- CO concentration in ambient air

## CALCULATED VALUES

- Boiler efficiency, including condensation
- Stack losses and excess air

### Back magnets



### Compact and light



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	MEASURING RANGE	RESOLUTION	ACCURACY
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

\* : Only sensor that can be replaced by the user



**Seitron Smart Analysis**



### Bluetooth thermal printer

**AAST04**








batteries included

#### EVERY KIT INCLUDES:





- Combustion Analyser
- Flue gas probe with 180 mm tip and 1.5 m cable
- Water trap complete with hose and fitting
- Kit for gas valve pressure measurement
- Charger and European plug
- Hard plastic case
- Quick Guide
- Calibration Certificate



## GAS ANALYSIS PROBES

CODE	PHOTO	DESCRIPTION
AASF51A		180 mm flue gas sampling probe, cable length 2 m, maximum temperature 400 °C, without anti-condensation unit
AASF62A		300 mm flue gas sampling probe, cable length 3 m, maximum temperature 600 °C, without anti-condensation unit
AASF71A		180 mm flue gas sampling probe, cable length 1.5 m, maximum temperature 400 °C, without anti-condensation unit
AASF72A		300 mm flue gas sampling probe, cable length 1.5 m, maximum temperature 600 °C, without anti-condensation unit
AASL05A		300 mm flexible flue gas sampling probe, cable length 2 m, maximum temperature 130 °C, without anti-condensation unit

## SPARE PARTS

CODE	PHOTO	DESCRIPTION
AAPB13		Rechargeable Li-Ion battery; 3.7 V 2.6 Ah
AAKA02		Power adapter with EU plug, USB A / USB B and 2 m cable
AACFA01		Dust filter for water trap and filter unit (pack of 5); size 12x32 mm
AATA04A		Water trap with dust filter unit, including plastic fittings and pipe

## ACCESSORIES

CODE	PHOTO	DESCRIPTION
AACT001		Silicon conical fitting 44 - 22 mm (for tightness test kit)
AACT002		Silicon conical fitting - 18 mm (for tightness test kit)
AAKT05		Kit for tightness test with 4-way fitting with taps, manual pump, 100 ml syringe, hoses, 1 silicone conical fitting.
AARA01		Threaded 9 mm diameter fitting, 1/4" gas coupling, 1/4" to 1/8" gas nipple (for tightness test kit)
AARA02		Gas valve hose adapter: 7 mm internal diameter

## CASES AND PROTECTIVE SHELLS

CODE	PHOTO	DESCRIPTION
AACR09		Hard plastic case
AASM07		Protective rubber case (TPV)