S500
PORTABLE COMBUSTION ANALYZER

Economical / Easy / Reliable / Accurate

- 2 or 3 gas sensors (O_2, CO, CO_2, NO, NOx)

- 6 tools in one

- 15 Programmed fuels (including #2 Oil, #4 Oil, #6 Oil, natural gas, propane, wood, biofuel and more)

- Built in pressure manometer

- Bluetooth® connectivity

- Automatic generation of QR code to acquire analysis with smartphone

- Draft measurement

- Cracked heat exchanger test

- Ambient CO monitoring

- CO Air free

- High Altitude adjustment

🅱 Bluetooth®

Seitron Smart Analysis

GET IT ON Google Play   Download on the App Store   EXPLORE IT ON AppGallery

Every KIT includes
- Analyzer
- Protective, Magnetic Rubber Holster
- Flue gas Probe 12" with 5' dual hose
- Water trap
- Power supply adapter
- Hard carrying case
- Calibration Certificate
- Quick Guide

Field Replaceable Sensors

Easy to use

O_2, CO, CO_2 Gas Sensors (NO$_x$ upgradable)

Rechargeable Lithium ion batteries

Optional Wireless Bluetooth® printer

Mobile App - iOS, Android

For all High Efficiency Condensing Systems

Display readout:

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            11/05/18 09.22
ANALYS. 1       [1/3]
Tf              76.8 C
Ta              23.9 C
O2              16.6 %
CO2              2.4 %
CO                11 p
COr               54 p
                Print
```

MEASUREMENT	SENSOR	RANGE	RESOLUTION	ACCURACY	
O2	Electrochemical	0 .. 25.0% vol	0.1% vol	±0.2% vol	
CO high immunity H2 with NOx filter	Electrochemical	0 .. 4000 ppm	1 ppm	±20 ppm ±5% measured value	0 .. 400 ppm 401 .. 4000 ppm
NO	Electrochemical	0 .. 2000 ppm	1 ppm		
NOx	Calculated	0 .. 2000 ppm	1 ppm		
CO2	Calculated	0 .. 99.9% vol	0.1% vol		
Air temperature	TcK sensor	-4.0 .. 248.0 °F -20.0 .. 120.0 °C	32.18 °F 0.1 °C	±33.8 °F ±1 °C	
Flue gas temperature	TcK sensor	-4.0 .. 1472.0 °F -20.0 .. 800.0 °C	32.18 °F 0.1 °C	±33.8 °F (±1 °C) ±1% measured value	32 .. 212 °F (0 .. 100 °C) 213.8 .. 1472 °F (101 .. 800 °C)
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
Temperature Differential	Calculated	31.0 .. 1472.0 °F 0 .. 800.0 °C	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 .. 120.0 %	0.1 %		
Warranty	2 Years on Analyzer and 2 Years on Sensors				

Standard Kit Details:
- O2, CO, CO2
- Upgradeable to NO/NOx
- Combustion Efficiency, Losses,
- Excess Air
- CO Air Free
- Draft Measurement
- Pressure Measurment
- Temperature Measurements
- Long Lasting Rechargeable Battery & AC Charger
- Gas Sampling Probe & Hose
- Water Trap with Filter Cartridge
- Magnetic Rubber Holster
- Operating Manual
- Calibration Certificate
- IR Interface
- ABS Carrying Case
- Outdoor Air Calculations for Condensing Systems

All S500 Kits Include:
- 12" (300mm) probe
- 1112 °F (600 °C) max
- 5' (1.5m) Dual Hose

Optional Wireless Bluetooth® Printer

Model	Description
S500-1	S500 Basic Kit = Analyzer with O2, CO, CO2 , Efficiency, Excess Air, Draft, Pressure, Temp., Rechargeable Battery & AC Plug, 5' (1.5m) Dual Hose, 12'' (300mm) Probe, Water Trap, ABS Case, Calibration Certificate, Operating Manual, Cheat Sheet, Calculations for High Efficiency & Condensing Systems includes. QR code Smartphone App. No Bluetooth®
S500-2	S500 Pro Kit = Analyzer with O2, CO, CO2 , Efficiency, Excess Air, Draft, Pressure, Temp., Rechargeable Battery & AC Plug, 5' (1.5m) Dual Hose, 12'' (300mm) Probe, Water Trap, ABS Case, Calibration Certificate, Operating Manual, Cheat Sheet, Calculations for High Efficiency & Condensing Systems. Includes Bluetooth® & QR code Smartphone Apps.
S500-2P	S500 Plus Kit = Standard S500-2 Pro Kit with Wireless Bluetooth® Printer
S500-3	S500 NOx Kit O2, CO, Standard NO, NOx
S500-3P	S500-3 NOx Kit with Wireless Bluetooth® Printer