

Field Replaceable Sensors



Easy to use



O2, CO, CO2 Gas Sensors (NO<sub>x upgradable</sub>)



**Rechargeable Lithium ion batteries** 



**Optional Wireless Bluetooth® printer** 



Mobile App - iOS, Android



For all High Efficiency Condensing Systems



# **S500**

### PORTABLE COMBUSTION ANALYZER

## **Economical / Easy / Reliable / Accurate**

- 2 or 3 gas sensors (02, C0, C02, N0, N0x)
- 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**







### **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

1.888.610.7664



MEASUREMENT	SENSOR	RANGE	RESOLUTION	ACCURACY
02	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 0 400 ppm ±5% measured value 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) 32 212 °F (0 100 °C) ±1% measured value 213.8 1472 °F (101 800 °C)
Pressure (draft & differential)	Piezo Resistive	-40.1 +80.4 inH <sub>2</sub> 0	0.004 inH <sub>2</sub> 0	$ \begin{array}{llllllllllllllllllllllllllllllllllll$
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 %	

**Standard Kit Details:** 

- 02, C0, C02
- Upgradeable to NO/NOx
- Combustion Efficiency, Losses,

Warranty

- 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 \$500 Kits Include:

2 Years on Analyzer and 2 Years on Sensors

- 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 02, C0, C02, 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 02, C0, C02, 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	
2500-3P	SEND-3 NIOV Kit with Wireless Rhietonth® Printer	