



# S1500-P

## ALL IN ONE COMBUSTION ANALYZER

### Fast / Easy / Robust / Accurate

- Built In Printer
- O<sub>2</sub>, CO, CO<sub>2</sub>
- 15 Preprogrammed fuels (including #2 Oil, #4 Oil, #6 Oil, Natural gas, Propane, Biofuel, Wood, more)
- Full color display
- Smartphone Real Time + QRcode App (iOS, Android)
- Built in Pressure Manometer
- Draft/Pressure included
- CO Air free
- Dilution pump for CO Auto range up to 100,000 ppm
- Ambient CO monitoring
- CO Sensor protection
- Cracked Heat Exchanger Test
- PC Software Included
- High Altitude adjustment



Built-in printer



Field Replaceable Sensors



O<sub>2</sub>, CO, CO<sub>2</sub> Gas Sensors



Full color Graphic Display



Mobile App - iOS, Android



For all High Efficiency Condensing Systems  
Distributed by:

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Phone: 914-673-0333

Web Site: [www.tnp-instruments.com](http://www.tnp-instruments.com)



Seitron Smart Analysis



Windows Software  
Seitron Smart Analysis



### Features

- Combustion Efficiency, Losses, Excess Air
- CO sensor protection
- Draft & Differential Pressure
- Temperature Measurements
- Large Color Display
- 2000 Test Internal Memory
- Bluetooth Connectivity
- Long Lasting Rechargeable Battery & AC Charger
- Gas Sampling Probe & Hose

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MEASUREMENT	SENSOR	RANGE	RESOLUTION	ACCURACY
O <sub>2</sub> Long life	Electrochemical	0 .. 25.0% vol	0.1% vol	±0.2% vol
CO sensor with Over Range protection (NOx filter)	Electrochemical	0 .. 500 ppm	0.1ppm	±2 ppm ±5% measured value
		501 .. 8000 ppm	1 ppm	±5% measured value ±10% measured value
CO <sub>2</sub>	Calculated	0 .. 99.9% vol	0.1% vol	0 .. 40.0 ppm 40.1 .. 500.0 ppm
Air Temperature	TcK sensor	-4.0 .. 2282.0 °F -20.0 .. 1250.0 °C	32.18 °F 0.1 °C	±0.5 °C ±0.5%
Stack Temperature	TcK sensor	-4.0 .. 2282.0 °F -20.0 .. 1250.0 °C	32.18 °F 0.1 °C	±0.5 °C ±0.5%
Pressure (draft & differential)	Piezo Resistive	-40.1 .. +80.4 inH <sub>2</sub> O	0.004 inH <sub>2</sub> O	±1% measured value ±0.08 inH <sub>2</sub> O ±1% measured value
Differential Temperature	Calculated	32.0 .. 2282.0 °F 0 .. 1250.0 °C	0.1 °C	-40.1 .. -0.81 inH <sub>2</sub> O -0.80 .. +0.80 inH <sub>2</sub> O +0.81 .. +80.4 inH <sub>2</sub> O
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 .. 100.0 %	0.1 %	
Warranty	4 years on Sensors and 2 years on Analyzer			

**S1500-P Kits Include:**

- O<sub>2</sub>, CO, CO<sub>2</sub>
- 12" (300mm) probe
- 1112 °F (600 °C) max
- 5' (1.5m) Dual Hose
- Dual Tck for condensing systems
- Dual pressure manometer
- Longer & High Temperature Probes available
- Cracked Heat Exchanger Test Included
- Plug and Play Pre-Calibrated Field Replaceable Sensors
- 32 Programmed Fuels & Oils (Including Bio-Fuel)
- Metal Connection
- Hard carrying case
- Magnetic rubber holster
- Operation manual
- Calibration certificate
- Li-Ion Battery
- AC Charger
- AACKP02 Pressure Hoses



**Pressure Hoses**

Model	Description
S1500-P	All In One Kit= Analyzer w/ O <sub>2</sub> , CO, CO <sub>2</sub> , Efficiency, Excess Air, Draft, Pressure, Temp, Rechargeable Battery & AC Plug, 12" (300mm) Probe with 5' (1.5m) Dual hose, ABS Case, Calibration Certificate, Operating Manual, Cheat Sheet, Water Trap, Paper Roll, 2000 Internal Data Storage, PC Software, Bluetooth TM Connectivity, Differential Pressure Manometer Kit (1 Hose), Automatic Outdoor Air Temperature Saving for ALL 90%+ Systems & Condensing Systems for TRUE Efficiency Calculations + iOS and Android App Included
S1500-P-OIL	Standard S1500-P Kit plus Oil smoke pump, smoke filters and comparison chart