E INSTRUMENTS by sauermann

NEW! NOx UPGRADEABLE!

IDEAL FOR HIGH EFFICIENCY & CONDENSING SYSTEMS HSE

E500

Residential Combustion Efficiency Analyzer For Boiler & Burner Set-Up, Servicing, & Maintenance

Accurate / Reliable / Economical / Easy

- 6 Tools-In-One
- CO Sensor with NOx Filter
- Flue and Ambient Temp
- Ambient CO Monitor
- Built-In Manometer
- Combustion Efficiency
- Draft & Pressure
- Smartphone Apps

ANDROID APP ON Google play | Download on the App Store | Bluetooth®

O_2, CO, CO_2, NO, NOx

iOS and Android Mobile Applications

Economical & Easy to Use

True High-Efficiency Calculations for All Condensing Systems

Long Lasting Rechargeable Battery & AC Charger

Optional Wireless Bluetooth® Printer

Parameter	Sensor	Range	Resolution	Accuracy
O_2	Electrochemical	0 - 25 %	0.1 %	±0.2 % vol
CO H_2 compensated w/ built-in NOx filter	Electrochemical	0 - 4000 ppm	1 ppm	±10 ppm <400 ppm ±5 % rdg up to 2000 ppm ±10 % rdg for >2000 ppm
CO_2	Calculated	0 - 99.9 %	0.1 %	-
NO	Electrochemical	0 - 5000 ppm	1 ppm	±5 ppm <100 ppm ±5 % rdg up to 1000 ppm ±10 % rdg for >5000 ppm
NOx	Calculated	0 - 5000 ppm	1 ppm	-
Tair	Tc K	-4 to 248 °F -20 to 120 °C	0.1 °F 0.1 °C	±1 °F ±1 °C
Tgas	Tc K	-4 to 1472 °F -20 to 800 °C	0.1 °F 0.1 °C	±2 °F ±2 °C
Differential temperature	Calculated	-4 to 1472 °F -20 to 800 °C	0.1 °F 0.1 °C	-
Pressure/Draft	Semiconductor	-4 to 40 inH_2O -10 to 100 mbar	0.001 inH_2O 0.01 mbar	±1 % rdg.
Excess air	Calculated	0 - 850 %	1 %	-
Efficiency	Calculated	0 - 100 %	0.1 %	-
Warranty	2 years: analyzer + sensors			

Standard Probe Details:

- 12" (300mm) probe
- 1470 °F (800 °C) max
- 5' (1.5m) Dual Hose

All E500 Kits Include:

- O_2, CO, CO_2
- **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

Ordering Information

Model #	Description
E500-1	E500 Lite Kit = Analyzer with **O_2, CO, CO_2**, 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. **No Bluetooth®, No Smartphone Apps.**
E500-2	E500 Basic Kit = Analyzer with **O_2, CO, CO_2**, 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® & Smartphone Apps.**
E500-2P	E500 Plus Kit = Standard E500-2 Base Kit with Wireless Bluetooth® Printer
E500-3	E500 Basic Kit + **NO/NOx**
E500-3P	E500-3 Plus Kit + **NO/NOx** with Wireless Bluetooth® Printer

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