



NEW

E500



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

Accurate / Reliable / Economical / Easy

- CO Sensor with NOx Filter
- Flue and Ambient Temp
- Ambient CO Monitor
- Built-In Manometer
- Combustion Efficiency
- Draft & Pressure
- Data downloading by QR code with mobile App



O₂ & CO sensors (calculated CO₂)



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

E500 Features



- 1 Simple Menu Interface
 - 2 Magnetic Rubber Holster
 - 3 ABS Carrying Case
 - 4 Optional Wireless Bluetooth® Printer
- Pre-Calibrated Field Replaceable Sensors
- Automatic Outdoor Air Temp. & High-Efficiency Calculations (Condensing Systems)

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	±20 ppm <400 ppm ±5% rdg from 401 to 4000 ppm
CO ₂	Calculated	0 - 99.9%	0.1%	-
Tair*	Thermocouple	-20 to 120°C	0.1°C	±1°C
Tgas	Tc K	-20 to 800°C	0.1°C	±1 °C from 0 to 100 °C ±1% rdg from 101 to 800 °C
Differential temperature	Calculated	0 to 800°C	0.1°C	-
Pressure/Draft	Semiconductor	-100 to 200 hPa	0.01 hPa	±1 % rdg from -100.00 to -2.01 hPa ± 0.02 hPa from -2.00 to +2.0 hPa ±1 % rdg from +2.01 to +200.0 hPa
Excess air	Calculated	0 - 850%	1%	-
Efficiency	Calculated	0 - 100%	0.1%	-

* The thermocouple from the probe is used to save the ambient temperature during the auto-zero cycle.

Ordering Information

Model #	Description
E500-2	E500 Kit with Standard probe

Standard Probe Details

- 180 mm probe
- 400 °C max
- 1.5 m Dual Hose

E500 Kits

- O₂ & CO (calculated CO₂)
- Combustion Efficiency, Losses, Excess Air
- CO Air Free
- Draft Measurement
- Pressure Measurement
- Temperature Measurements
- Long Lasting Rechargeable Battery & AC Charger
- Gas Sampling Probe & Hose
- Water Trap with Filter Cartridge
- Magnetic Rubber Holster
- Operating Manual & Quick Start Guide
- Calibration Certificate
- IR Interface
- ABS Carrying Case
- Outdoor Air Calculations for Condensing Systems
- Data downloading by QR code with mobile App

Standards

- RoHS & RAEE
- EN 50379-1
- EN 50379-2
- EN 50379-3

