



# ***EOS Digital Combustion Analyzer Kit***



## **Functions**

- Measures CO<sub>2</sub>, CO, flue temperature
- Calculates: O<sub>2</sub>, gross/ net efficiency, excess air, CO air free

## **Features**

- Unique DMM style rotary selector
- Magnetic boot
- Real time clock
- CO readings to 1 ppm
- Large 2 line backlit display
- Infrared printer port
- User programmable header
- 20 memory position
- 5-Year limited warranty (includes sensors)

## **Applications**

- Confirm set up parameters (to manufacturers specifications)
- Verify proper combustion, equipment efficiency and integrity
- Analyze combustion gas makeup and stack gases
- Measure temperatures for live fire of gases
- Document equipment performance before and after servicing tests to show compliance
- Perform safety checks





### Includes

- Combustion Analyzer (C85)
- Infrared thermal printer (IRP-2)
- 12" Flue probe w/ 10" hose (KMCP2)
- Soft carrying case
- Inlet tube/ probe connector (SM11103)
- Particle filter (17631)
- Manual (17903)
- AC adapter (AAC4)
- Thermal printer paper roll (16646)

## Specifications

### Temperature Measurements

Parameter	Range	Resolution	Accuracy
Flue Temperature	32 - 1112°F (0 - 600°C)	1.0° F/C	±(0.3% reading+3.6°F(2.0°C))
Inlet Temperature (Internal sensor)	32 ~ 122 °F (0-50°C)	1.0° F/C	±(0.3% reading+1.8°F(1.0°C))
Inlet Temperature (Internal sensor)	32 - 1112°F (0 - 600°C)	1.0° F/C	±(0.3% reading+3.6°F(2.0°C))

### Gas Measurements

Parameter	Range	Resolution	Accuracy
Carbon Monoxide (CO)	0 - 60 ppm	1ppm	±3ppm
	61 - 2,000ppm nom	1ppm	±5% of reading
	4,000ppm max for 15 mins	1ppm	Not Specified
Carbon Dioxide (CO2)	0 - 20%	0.10%	±0.3% volume

### Calculations

Parameter	Range	Resolution	Accuracy
Oxygen (O2)	0 - 21%	0.10%	±0.3%
Efficiency	0 - 99.9%	0.10%	±1.0% of reading
Excess Air	0 - 250%	0.10%	±0.2% of reading
CO/CO2 ratio	0 - 0.999	0.0001	±5% of reading
Pre-programmed Fuels	Natural gas, Propane, Butane, LPG, Light Oils (28/35 sec), Wood Pellets		
Storage Capacity	20 Combustion tests		

## Downloads



Manual



Data Sheet

H85-903



Made in UK