

EOS Long Life Combustion Analyzer

**Direct Measure Carbon Dioxide (CO₂)
No Oxygen (O₂) Sensor to fail**



Functions

- Measures: CO₂, CO, Flue temperature
- Calculates: O₂, 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 back-lit display
- Infrared printer port
- User programmable header
- 20 memory position
- 5 Year limited warranty





C85 Includes

- Combustion Analyzer (C85)
- Flue Probe (KMCP2)
- Hard Carrying Case (AC509)
- Inlet Tube/Probe Connector (SM11103)
- Particle Filter (17631)
- Owners Manual



C85KIT Includes

- Combustion Analyzer (C85)
- Infrared Thermal Printer (KMIRP2)
- Flue Probe (KMCP2)
- Hard Carrying Case (AC509)
- Inlet Tube/Probe Connector (SM11103)
- Particle Filter (17631)
- AC Adapter (AAC44)
- Thermal printer paper roll (16646)
- Owners Manual

SPECIFICATIONS

Parameter	Range	Resolution	Accuracy
Temperature Measurements			
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 (External sensor)	32 - 1112°F (0 - 600°C)	1.0 °F/°C	±(0.3% reading+3.6°F(2.0°C))
Gas Measurements			
Carbon Monoxide (CO)* ¹	0 - 60 ppm	1ppm	±3ppm
	61 - 2,000ppm nom	1ppm	±5% of reading
	4,000ppm max for 15 mins	1ppm	Not Specified
Carbon Dioxide (CO ₂)* ¹	0 - 20%	0.1%	±0.3% volume
Calculations			
Oxygen (O ₂)* ²	0 - 21%	0.1%	±0.3%
Efficiency* ²	0 - 99.9%	0.1%	±1.0% of reading
Excess Air* ²	0 - 250%	0.1%	±0.2% of reading
CO/CO ₂ ratio* ²	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		

*¹ Using dry gases at standard temperature and pressure (STP)

*² Calculated

GENERAL SPECIFICATIONS

- **Operating Altitude:** 2000m (6,561 ft.)
- **Storage Altitude:** 10,000m (32,808 ft.)
- **Operating Temperature:** 32°F to 104°F (0°C to 40°C) at 10 - 90% R.H
- **Pollution Degree:** 2
- **Dimensions:** Handset: 7.9" (200mm) x 3.5" (90mm) x 1.8" (45mm)
Probe: (L) 11.8" (300mm) x (D) 0.25" (6mm) with 7.8" (200mm)
6ft (3m) neoprene hose.
- **Weight:** 2.2lbs (1kg)
- **Certifications:** EMC EN 50081-1, EN 50082-1, CE
- **Battery Type:** 4 x 1.5V AA
- **Battery Life:** >8Hrs using AA Alkaline
- **Power Supply:** Input: 110V AC Output: 9V DC Regulated

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