



EOS Digital long Life Combustion Analyzer



Functions

- Measures CO₂, CO, flue temperature
- Calculates: O₂, 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
- Set gas pressures
- Measure temperatures for live fire of gases, temperature rise and differential drops across coils, inlet and superheat readings
- Perform pressure test for drops across coils, gas pressures, limit switches, building pressures and zone pressures
- Document equipment performance before and after servicing tests to show compliance





Includes

- Combustion Analyzer (C85)
- 12 Flue probe w/ 10 hose (KMCP2)
- Soft carrying case
- Inlet tube/ probe connector (SM11103)
- Particle filter (17631)
- Owners manual (17093)

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 (Internal 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 (CO2)*1	0 - 20%	0.10%	±0.3% volume
Calculations			
Oxygen (O2)*2	0 - 21%	0.10%	±0.3%
Efficiency*2	0 - 99.9%	0.10%	±1.0% of reading
Excess Air*2	0 - 250%	0.10%	±0.2% of reading
CO/CO2 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		

Downloads



Manual



Data Sheet

H85-902



Made in UK