EOS Digital Industrial Combustion Analyzer Kit

Functions

- Measures: CO2, extended range CO, NOX, ambient CO, differential temperature, differential pressure
- Calculates: O2, gross/ net efficiency, excess air, CO air free

Features

- Electro-optical CO2 sensor technology
- No oxygen sensor replacement
- The first Industrial EOS technology analyzer
- Worklight
- 4 line backlit LCD display
- 179 memory positions
- User customizable parameters view
- Individual report printouts
- Unique DMM style rotary selector
- Protective boot with integral magnet
- Real time clock
- CO readings to 1 ppm
- Infrared printer port
- 5-Year limited warranty (includes sensors)

Applications

- Confirm set up parameters (to manufacturers specifications)
- Verify proper combustion, equipment efficency 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

EOS Combustion Analyzer Kit CO (Hi Range H2O/ CO2) C255KIT
EOS Combustion Analyzer Kit CO (Hi Range) H2/ CO2/ NO) C257KIT

Includes

- Combustion Analyzer (C255 or C257)
- Infrared thermal printer (KMIRP2)
- 12 Flue probe w/ 10 hose (KMCP2)
- Hard carrying case (AC509)
- Inlet tube/ probe connector (SM11103)
- Particle filter (17631)
- Manual
- AC adapter (AACA4)
- Thermal printer paper roll (16646)
- K-Type temperature probes 2 (ATT29)
- Eagle tubing (11000)

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 (External 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 - 4,000ppm nom	1ppm	±5% of reading
	4,001ppm - 10,000ppm	1ppm	±10% of reading
20,000ppm max for 15 mins	1ppm	Not specified	
Carbon Dioxide (CO2)	0 - 20%	0.1%	±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

Nitric Oxide Measurement (C257)

Parameter	Range	Resolution	Accuracy
Nitric Oxide (NO) low	2 - 30 ppm	1ppm	±2 ppm < 30ppm
	31 - 100 ppm	1ppm	±5 ppm > 30ppm
Nitric Oxide (NO) high	5 - 100 ppm	1ppm	±5 ppm < 100ppm
	101 - 1000 ppm	1ppm	±5% reading >100ppm

Pressure (Differential)

Parameter	Range	Resolution	Accuracy
Nominal range ±64.2 InH2O (160mBar)	±0.6 inH2O	Maximum 0.001 InH2O	±0.02 In H2O
Max over-range w/o damage to sensor is ±321InH2O (800 mBar)	±64.2 inH2O	<10 InH2O	±3% of reading

Pre-programmed Fuels	Natural gas, Propane, Butane, LPG, Light Oils (28/35 sec), Wood Pellets PLUS 3 User defined
Storage Capacity	99 Combustion tests, 20 Pressure tests, 20 Heat Exchange tests, 20 Temperature tests / 20 Room CO tests
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

Downloads

Manual

Data Sheet

H85-905

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Made in UK

C255KIT

0 53533 50727 0

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C257KIT

USA 1.800.547.5740
CANADA 1.877.475.0648