

## Portable Combustion Analyzer

Combination analyzer with 5 meters built into one unit

### Features:

- 10,000ppm CO sensor will not poison, providing for long sensor life
- Built-in flammable gas leak detector
- Rechargeable Ni-MH batteries provide big savings - no need to replace batteries
- 6 hour use on a 2 hour charge
- Advanced menu driven software
- Internal memory stores up to 75 records
- InfraRed link for direct output to Printer optional IR to RS232 PC adaptor
- 2 year warranty covers meter and sensors; weatherproof IP65 rated; CE approved
- Optional kit with printer
- CO80 includes pistol grip thermocouple flue probe and 2ft (610mm) of silicon tubing, protective rubber holster, 4 Ni-MH batteries, 117VAC recharger, carrying case

### 5 Meters in 1

#### Combustion Analyzer

- Boiler efficiency measurement
- CO/CO<sub>2</sub> ratio for boiler health check
- O<sub>2</sub>, CO<sub>2</sub> and XSAir measurements
- Multi-fuel settings (Natural Gas, LPG, Light Oil, Heavy Oil and Coal)

#### Carbon Monoxide Detector

- Real time readings up to 10,000ppm
- Ambient room check with historical logging
- Digital 1ppm resolution display

#### Flammable Gas Leak Detector

- Detects leaks from 20 to 10,000ppm
- Four level visual display
- Crescendo alarm — pitch rises with concentration

#### Differential Thermometer

- Compares input to output temperature
- Net and gross temperature differences
- Industry standard Type K thermocouples
- Simultaneous pressure and temperature displays

#### Differential Manometer

- Positive and negative readings
- Unique "Tightness Test" logs pressure readings to spot gas leaks
- Powerful ±40inWG sensor
- User selectable scales (inWG, PSI, mbar, mmWG)



YOUR COMPANY NAME and Phone Number
Combustion Appliance Test Report
Your Customer's Name
Appliance
Ref.
Flue Gases
Log.....2
Date.....10-03, 07/04/2000
Fuel.....NATURAL GAS
O <sub>2</sub> (%).....20.9
CO (ppm).....11
CO <sub>2</sub> (%).....3.1
Ratio (CO/CO <sub>2</sub> ).....0.0003
Temp (°F).....505
Efficiency (%).....70.1
Excess Air (%).....37

Sample report



CO85 Kit also includes a portable printer, rechargeable battery pack, 2 rolls of thermal paper and bead wire temperature probe. Ideal for printing customized reports.

Specifications	Range	Max Resolution	Basic Accuracy (%rdg+digits)
Carbon Monoxide (CO):	0 to 10,000ppm	1ppm	±5ppm (<100ppm) ±5% (>100ppm)
Oxygen and Carbon Dioxide: (Calculated)	0 to 25%	0.1%	±3%
Pressure:	-100 to 100mbar -1.4 to 1.4psi -40 to 40inWG	0.1 0.001 0.01	±0.5% ±0.5% ±0.5%
Temperature:	-58 to 752°F (-50 to 400°C)	1°F/1°C	1.6°F (1°C)+0.3%rdg
Weight:	1.1lbs (500g)		
Dimensions (without holster):	6.3x2.8x2" (160x70x50mm)		

### Ordering Information:

- CO80 .....Portable Combustion Analyzer, 117VAC
- CO81 .....Portable Combustion Analyzer, 220VAC
- CO85 .....Portable Combustion Analyzer Kit 117VAC
- CO86 .....Portable Combustion Analyzer Kit 220VAC
- 422378 .....Replacement Thermal Paper, 5pk
- 589230 .....IR to RS232 Adaptor for downloading data to a PC (use Windows® Hyperterminal or equivalent PC Software)

