

## C100ACOPBX

## **Combustion Efficiency Analyzer**

# GET THE ADVANTAGE IN COMBUSTION EFFICIENCY

- Measures
  - 02
  - CO
  - Differential Pressure
  - Stack & Ambient Temperature
- Calculates
  - CO2
  - Gross/Net Efficiency
  - Excess Air
- Record 99 tests
- Backlit LCD displays 3 parameters at once
- Infrared Printer Port print to an optional printer



### **C100ACOPBX** • Combustion Efficiency Analyzer

The C100ACOPBX enables HVAC professionals to test and service all residential combustion appliances as well as diagnose and repair heating equipment. Equipped with the professional accuracy expected in today's combustion efficiency analyzers, the C100ACOPBX also has convenient features to streamline the task at hand. Like the extra large backlit LCD which displays three parameters at one time allowing users to make burner adjustments without having to change the instrument settings. The C100ACOPBX can store, retrieve, view and print up to 99 test results, and has an infrared printer port for printing test results on the spot to an optional printer.

#### The C100A

#### has the following features:

- Measures 02, CO, differential pressure, stack and ambient temperatures
- Calculates CO2, gross/net efficiency and excess air
- Poison Index, CO/CO2 ratio
- Protective boot with integral magnet
- Inlet temperature probe
- Backlit triple display allows technician to view 3 parameters simultaneously.
- 99 memory locations to store and recall test results
- Infrared printer port
- Three year limited warranty on analyzer/two year limited warranty on all sensors

#### **Optional upgrades:**

- AC73 Soft Carrying Case capable of holding C100A/COPBX probe and accessories, optional KMIRP2 printer, and extra printing supplies.
- · KMIRP2 Infrared remote thermal printer
- AC power supply

#### **Standard Accessories:**

Particle filter	17631
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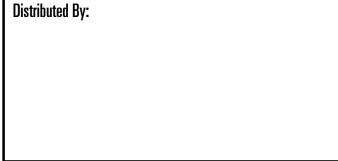
#### **Specifications**

Parameter	Re	solution	Accuracy	Range	
Temperature Flue Temperature	1°F/°C		±5°F (2°C) ±0.3% reading	32 - 1112°F (0 - 600°C)	
Inlet Temperature	1°F/°C		1°F/°C ±0.3% reading	32 - 212°F (0 - 100°C)	
Temp (Net) *21°F/°C	5°F (2°C)		32 - 1112°F ±0.3% reading	32 - 1112°F (0 - 600°C)	
Gas Measurement Oxygen	0.1%		±0.2%	0 - 21%	
Carbon Monoxide*2	1 ppm		-10 ppm <100 ppm*1 ±5% or reading	0 - 2000 ppm 4000 ppm max for 15 mins.	
Carbon Dioxide*2	0.1%		±0.3% reading	0 - 30%	
Efficiency*2	0.1%		±1.0% reading	0 - 99.9%	
Excess Air*2	0.1%		±0.2%	0 - 250%	
Poison Index*2	0.1%		±5% reading	0 - 99.9%	
CO/CO <sub>2</sub> ratio* <sup>2</sup>	0.001		±5% reading	0 - 0.999	
Pressure (differential)	0.004 in WG 0.01 in WG 1.0 mbar		±1% of full scale	0 - 19.999 in WG 20 - 40 in WG 0 - 100 mbar	
Pre-programmed Fuels			Gas, Light Oil, Propane, Butane, LPG		
Dimensions					
Weight	Weight		2.2 lb. (1 kg)		
Handset 8" (		8" (200 m	8" (200 mm) x 2" (45 mm) x 3.5" (90 mm)		
Probe L 12" (3 stainles		stainless	300 mm) x D 0.25" (6 mm) with 8" (200 mm) long ss steel shaft, type K thermocouple and 9 ft. (3 m) coprene hose		
3 . 3		F (0 - 40°C) 90% RH non-condensing			
		Standard	Standard "AA" (x4) >8 hours continous use		
AC adaptor (optional)		Input: 10 V AC / 220 C AC nominal Output: 10 V DC no lead			

<sup>\*1</sup> Using dry gases at Standard Temperature and Pressure.

#### **Optional Accessories:**

AC adapter	AACA4
Infrared printer	KMIRP2
Paper roll	16646





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<sup>\*2</sup> Calculated