

Handheld Combustion Analyzer

Nine Pre-Programmed Fuels, Self Calibration



Model 1203 Handheld Combustion Analyzer measures all the parameters necessary for performing energy efficiency audits. The instrument measures and displays percentage O₂ and flue temperature in °F or °C. Combustion efficiency is automatically calculated for nine pre-programmed fuels including anthracite, butane, natural gas, and propane. Unit also calculates CO₂, net temperature, excess air and stack losses. The 1203 Combustion Analyzer automatically performs self calibration at start-up to avoid unnecessary manual adjustments. A water trap, particle filter, flue gas probe, protective rubber sleeve, batteries, carrying case and manual are included.

SPECIFICATIONS

RANGES: O₂: 0-21%, CO₂: 0-21%, Temperature (Flue and nett): 32-1100°F (0-600°C), Efficiency: 0-99.9%, Excess Air: 0-248%.

ACCURACY: O₂: ± 0.2%, CO₂: ± 0.3% of reading, Ambient Temperature: 0.3% of reading, Efficiency: ± 1.0% of reading, Excess Air: ± 0.2%.

RESOLUTION: O₂: 0.1%, CO₂: 0.1%, Ambient Temperature: 1.0°F/C, Efficiency: 0.1%, Excess Air: 0.1%.

OPERATING TEMPERATURE: 32 to 104°F (0 to 40°C).

PRE-PROGRAMMED FUELS: Natural gas, Town gas, Light oil, Heavy oil, Propane, Butane, Anthracite, Coke, and Coal.

PROBE: 9.5" (24 cm) length, stainless steel, Type K thermocouple, 5 ft (1.5 m) neoprene hose.

POWER: Four AA size alkaline batteries or 110 VAC adapter.

PROBE: 16" (40 cm) length, flexible gooseneck.

BATTERY LIFE: > 6 hours fully charged.

DIMENSIONS: 8.7"L x 4.7"W x 2.2"D (22 x 12 x 5.5 cm).

WEIGHT: 2.2 lbs (1 kg).

| Model Number | Description | Price |
|--------------------------|---------------------|-------|
| 155-1203 | Combustion Analyzer | |

ACCESSORIES

| Model Number | Description | Price |
|------------------------------|-------------------------------|-------|
| 155-1203-1 | 110 VAC Adapter | |
| 155-1206-5 | 110 VAC Nicad Battery Charger | |
| 155-1206-51E | 220 VAC Nicad Battery Charger | |
| 155-1203-2 | 220 VAC Adapter | |