

709 Combustion Efficiency Analyzer w/ Differential Digital Manometer (0.001 inH20)

APPLICATIONS

RESIDENTIAL

- Furnace
- · Hot water heater
- Radiant heat boilers
- CO testing

COMMERCIAL

- Boilers
- Furnaces
- · Hot water heater
- CO testing

INDUSTRIAL

- Boilers
- Furnaces
- · Hot water heater
- CO testing



4.0"w x 8.12"h x 2.25"d

Includes a built-in high-resolution (0.001 inH20) differential manometer capable of accurately measuring pressure and draft.

1. Combustion Efficiency Analyzer

- Measure 02 and CO
- Calculate CO₂, efficiency, excess air and ratio.
- Will work with high efficiency furnaces, hot water heaters, and other combustible gas appliances.

2. Differential Digital Manometer

• 0.001 inH20 resolution

3. CO Analyzer

• Measure 0-10,000 ppm CO

4. Differential Thermometer

• Dual input K-Type thermocouple temperature tester





Ask about the optional A740 Infrared Printer.

NOTE: When selecting oil as fuel be sure to use the optional oil filter or reading could become erratic.

709 FEATURES

- · Easy to use
- · Large, easy-to-use display
- IR printer port
- Large memory capacity (holds up to 50 sets of complete test results)
- Protective rubber boot included

709 ACCESSORIES

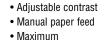
CO Sensor, Oxygen Sensor, Protective Boot, Stack Probe, PVC Tubing, Water/filter trap on Stack Probe, Shoulder Strap Carrying Case, Spare Particle Filters

709 OPTIONAL ACCESSORIES

A740 IR Printer **A773** Sulfer Filter

A740 Infrared Printer

- Easy to use
- · Battery operated
- Self test facility



transmitting distance 16"(45cm)

 Compatible with most other combustion analyzers







TECHNICAL SPECIFICATIONS AND ACCESSORIES

709 Combustion Efficiency Analyzer w/ Differential Digital Manometer (0.001 inH20) 709

Temperature Measurement
Range -40°

 Range
 -40° to 1472°, or -40° to 800°C

 Resolution
 1°F or C

 Accuracy (K-type)
 ±0.3%, ±2°F or ±1°C

 Draft/Pressure Measurement & Tightness Test

 Selectable Ranges
 mBar,kPa, and inH20

 Ranges
 -150 mBar to +150 mBar -15 kPa -15 kPa -60 inH20 to +60 in H20

 Resolution
 .001 inH20 (0.01mBar)

 Accuracy
 ±0/5% fsd

Gross/Net Efficiency

Range 0 to 100%
Resolution 0.1%

Oxygen (0₂) Measurement

 Range
 0 to 25%

 Resolution
 0.1%

 Accuracy
 ±0.3%

Carbon Monoxide (CO) Measurement

 Range
 0 to 10,000 ppm

 Resolution
 1 ppm

 Accuracy
 ±5 ppm or 5%, whichever is greater

Carbon Dioxide (CO₂)

Range	0 to 25%
Resolution	0.1%
Accuracy	Calculated

 CO/CO2 Ratio

 Range
 0 to 0.999

 Resolution
 0.001

 Accuracy
 Calculated

Instrument Specifications
Operating Temperature Range 14° to 122°F (-10° to 50°C)
Battery 3 "AA" Alkaline Batteries
Fuels Natural Gas, LPG, Light Oil, Heavy Oil
Display Backlit LCD
Data Storage 50 sets of readings

 Time & Date
 24 Hour Real Time Clock

 Dimensions
 200mm x 90mm x 60mm

 Weight
 500g

 Exhaust
 Safety Spigot

 Conforms To:
 BS7927 (and the draft BS7967

ACCESSORIES

Standard Flue Probe w/K-type A770 Pressure tubina K-Type Temperature Probe GK11M In-Line Filter Complete A794 Mini Pump Protection Filter Assembly A763 3 x "AA" Alkaline Batteries A765 Protective Boot Soft Carrying Case A768 **Exhaust Spigot**

 Optional
 A740

 Infrared Printer
 A740

 Replacement Printer Paper (10 rolls)
 A746

 20 Foot Flue Gas Analyzer Probe
 A770-20

 Oil Filter
 A773

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