Features & Benefits:

• Vibrant, full-color display with dynamic info-graphing shows easy-to-read, real-time analysis

• $O_2$, B-Smart® CO (0-4,000 ppm) with integral NO$_X$ filter, T-stack/air temperature, draft and pressure

• 9 pre-programmed, user-selectable fuels (+2 custom)

• Long-life (3-year) $O_2$ sensor option

• Print range function, stored data capability (100 records), and data download option via USB with Fyrite® User Software

The Fyrite® INSIGHT® Plus is Bacharach’s next-generation residential and commercial combustion analyzer featuring enhanced features and intuitive operation. This lightweight, American-made hand-held analyzer uses advanced technology to accurately measure, analyze and report test results to validate safe operation, install more efficient systems and save customers’ money. With its easy to use Fyrite® User Software and exclusive B-Smart® CO sensor, the Fyrite® INSIGHT® Plus enables technicians and HVAC/R service representatives to upgrade software or install pre-calibrated sensors right in the field to avoid costly downtime and inconvenience.

Five Tools in ONE with Real-Time Analysis

The Fyrite® INSIGHT® Plus is a five-in-one steady state combustion analyzer that includes a room air CO test instrument, a flue gas CO tester, dual channel digital thermometer (up to 999° F), and a digital manometer (which measures draft, gas pressure, ESP, and up to +/- 40 INWC).

Capable of providing up to 100 combustion, pressure and temperature records, the Fyrite® INSIGHT® Plus also can display measurement results instantly for up to ten different fuels on its full-color backlit LCD display. In addition, specific information can also be downloaded to a PC or printed via an infrared printer.
Fyrite® INSIGHT® Plus Specifications

9 User-Selectable Fuels:
- Natural Gas, Oil #2, Oil #4, Propane, Coal, Wood, Kerosene, B5 (+ 2 custom) | (10 fuels available with Siegert ver.)

Measurement Ranges:
- Combustion Air/Ambient Air: -4 to 600˚ F (-20 to 316˚ C)
- Temperature: Flue Gas Temperature: -4 to 1,202˚ F (-20 to 650˚ C)
- Oxygen (O2): 0.0 to 20.9%
- Carbon Monoxide (CO): 0 to 4,000 ppm
- Draft / Differential Pressure: -40 to + 40 INWC (100 mBar)

Calculated Ranges:
- Combustion Efficiency: 0.1 to 100%
- Carbon Dioxide (CO2): 0.1 to a fuel dependent max. value in percent
- Carbon Monoxide (air free): 0 to 9,999 ppm
- Excess Air: 0 to 250%

Dimensions:
- 8.0”H x 3.6”W x 2.3”D (20.3 cm x 9.1 cm x 5.8 cm)

Weight:
- 16 oz. with batteries (0.45 kg)

Power:
- 4 AA Alkaline batteries (incl.), Universal power adapter or USB cable
- Minimum of 15 hours typical battery life

Warranty:
- Instrument and sensors - 2 years (1 year warranty on O2 sensor*)
- *Long-life O2 sensor carries a 2-year warranty

Approvals:
- EN 50270 (CE mark), EN 50379

Display Languages Available:
- English, French, Spanish, Polish, German, Italian, Dutch, Danish

Contents:
- Fyrite® INSIGHT® Plus: instrument comes with probe, spare filters, protective rubber boot, 4 AA batteries, user manual and hard-carrying case
- Fyrite® INSIGHT® Plus w/Reporting Pkg. Kit: instrument comes with probe, spare filters, protective rubber boot, IrDA printer, USB cable, Fyrite® User Software, 8 AA batteries, hard-carrying case

Fyrite® INSIGHT® Plus Ordering Information

0024-8515 Fyrite® INSIGHT® Plus
0024-8517 Fyrite® INSIGHT® Plus (with Long-Life O2 sensor)
0024-8519 Fyrite® INSIGHT® Plus - European Model*
0024-8521 Fyrite® INSIGHT® Plus European Model* (with Long-Life O2 sensor)
0024-8516 Fyrite® INSIGHT® w/Reporting Pkg. Kit
0024-8518 Fyrite® INSIGHT® w/Reporting Pkg. Kit (with Long-Life O2 sensor)
0024-8520 Fyrite® INSIGHT® w/Reporting Pkg. Kit – European Model*
0024-8522 Fyrite® INSIGHT® w/Reporting Pkg. Kit – European Model* (with Long-Life O2 sensor)

*European based calculations

B-Smart® Sensor Exchange Program

The B-Smart® Sensor Exchange Program allows users to replace pre-calibrated sensors in the field, eliminating the need to send the instrument in for calibration. With the B-Smart® Sensor Exchange Program, you receive factory-calibrated sensors, just plug them in and continue to use your instrument – there’s no downtime and it saves time and money.