



Combustion Analyzers

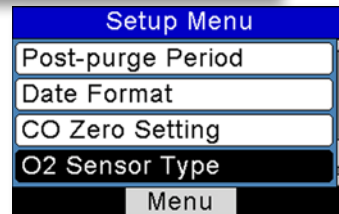
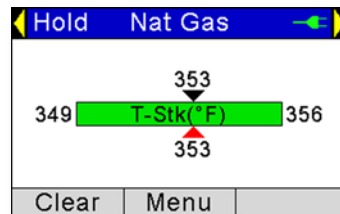
# Residential Combustion Analyzer Fyrite® INSIGHT® Plus

**NEW**



## Features & Benefits:

- Vibrant, full-color display with dynamic info-graphing shows easy-to-read, real-time analysis
- O<sub>2</sub>, B-Smart® CO (0-4,000 ppm) with integral NO<sub>x</sub> filter, T-stack/air temperature, draft and pressure
- 9 pre-programmed, user-selectable fuels (+2 custom)
- Long-life (3-year) O<sub>2</sub> sensor option
- Print range function, stored data capability (100 records), and data download option via USB with Fyrite® User Software



*Intuitive setup screens and color graphics are sharp and clear in any setting. Unique hotspot finder detects optimal measurement site.*

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 Features & Benefits:

### Five tools in ONE!

- Combustion and efficiency analyzer
- Room air CO test instrument
- Flue gas CO tester
- Dual channel digital thermometer
- Digital manometer

### Full-Color Graphic LCD display

- Vibrant color screen displays easy-to-read real-time graphs, status and analysis results.

### User diagnostics

- O<sub>2</sub> sensor life indication
- Calibration reminders

### Reporting package (optional)

- Customize test reports with your company logo
- Upload custom fuels
- Software updates

### Pre-calibrated B-Smart® CO sensor with integral NO<sub>x</sub> filter

### Manual Zero/Auto-Zero (CO) feature



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 down time and it saves time and money.

## Fyrite® INSIGHT® Plus Specifications

<b>9 User-Selectable Fuels:</b>	Natural Gas, Oil #2, Oil #4, Oil #6, Propane, Coal, Wood, Kerosene, B5 (+ 2 custom)   (10 fuels available with Siegert ver.)	
<b>Measurement Ranges:</b>	Combustion Air/Ambient Air Temperature	-4 to 600° F (-20 to 316° C)
	Flue Gas Temperature	-4 to 1,202° F (-20 to 650° C)
	Oxygen (O <sub>2</sub> )	0.0 to 20.9%
	Carbon Monoxide (CO)	0 to 4,000 ppm
	Draft / Differential Pressure	-40 to +40 INWC (100 mBar)
<b>Calculated Ranges:</b>	Combustion Efficiency	0.1 to 100%
	Carbon Dioxide (CO <sub>2</sub> )	0.1 to a fuel dependent max. value in percent
	Carbon Monoxide (air free)	0 to 9,999 ppm
	Excess Air	0 to 250%
<b>Dimensions:</b>	8.0"H x 3.6"W x 2.3"D (20.3 cm x 9.1 cm x 5.8 cm)	
<b>Weight:</b>	16 oz. with batteries (0.45 kg)	
<b>Power:</b>	4 AA Alkaline batteries (incl.), Universal power adapter or USB cable Minimum of 15 hours typical battery life	
<b>Warranty:</b>	Instrument and sensors - 2 years (1 year warranty on O <sub>2</sub> sensor*) *Long-life O <sub>2</sub> sensor carries a 2-year warranty	
<b>Approvals:</b>	EN 50270 (CE mark), EN 50379	
<b>Display Languages Available:</b>	English, French, Spanish, Polish, German, Italian, Dutch, Danish	
<b>Contents:</b>	<b>Fyrite® INSIGHT® Plus:</b> instrument comes with probe, spare filters, protective rubber boot, 4 AA batteries, user manual and hard-carrying case. <b>Fyrite® INSIGHT® Plus w/Reporting Pkg. Kit:</b> 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

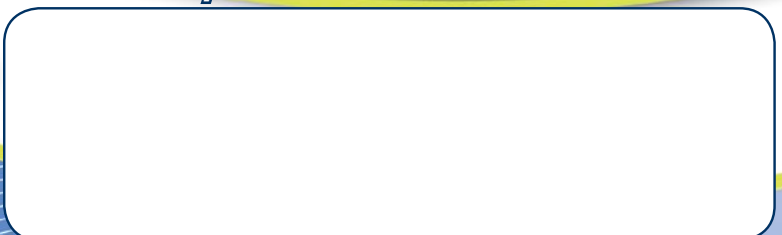
<b>0024-8515</b>	Fyrite® INSIGHT® Plus
<b>0024-8517</b>	Fyrite® INSIGHT® Plus (with Long-Life O <sub>2</sub> sensor)
<b>0024-8519</b>	Fyrite® INSIGHT® Plus - European Model*
<b>0024-8521</b>	Fyrite® INSIGHT® Plus European Model* (with Long-Life O <sub>2</sub> sensor)
<b>0024-8516</b>	Fyrite® INSIGHT® w/Reporting Pkg. Kit
<b>0024-8518</b>	Fyrite® INSIGHT® w/Reporting Pkg. Kit (with Long-Life O <sub>2</sub> sensor)
<b>0024-8520</b>	Fyrite® INSIGHT® w/Reporting Pkg. Kit – European Model*
<b>0024-8522</b>	Fyrite® INSIGHT® w/Reporting Pkg. Kit – European Model* (with Long-Life O <sub>2</sub> sensor)

\*European based calculations

## Fyrite® INSIGHT® Plus Accessories

<b>0024-1492</b>	Fyrite® INSIGHT® Plus Reporting Kit (with IrDA printer, USB cable & software)
<b>0024-1400</b>	IrDA Printer w/Disposable Batteries
<b>0024-1310</b>	Printer Paper (5 rolls)
<b>0024-1611</b>	Universal AC Power Adapter
<b>0104-1797</b>	Thermocouple 10 ft. (combustion at temp.)
<b>0104-1798</b>	Thermocouple 1 in. (ambient air temp.)
<b>0024-8242</b>	Differential Pressure & Temperature Kit
<b>0024-1591</b>	Long-Life O <sub>2</sub> Replacement Sensor
<b>0024-1592</b>	CO Sensor
<b>0024-1616</b>	B-Smart® CO Sensor (pre-calibrated)
<b>0024-8257</b>	Long-Life O <sub>2</sub> Sensor Upgrade Kit

## Distributed By:



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MADE IN THE USA

