



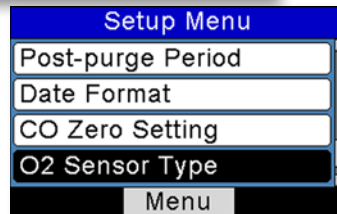
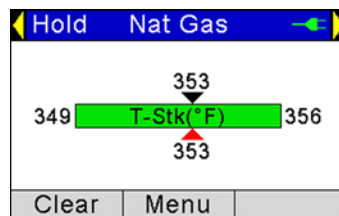
# Residential Combustion Analyzer Fyrite® INSIGHT® Plus

**NEW**



## Features & Benefits:

- Vibrant, full-color display shows easy-to-read, real-time analysis
- Fast and accurate O<sub>2</sub>, CO (0-4,000 ppm), T-stack/air temperature and draft/pressure measurements
- 9 pre-programmed, user-selectable fuels (+ 2 custom)
- Print stored data (100 records) and data download via USB with Fyrite® User Software



*As easy as 1-2-3: Select fuel type, select appliance type and then start analysis.*

The Fyrite® INSIGHT® Plus is Bacharach's premium residential and light commercial combustion analyzer. This American-made analyzer uses advanced technology to accurately measure, analyze and report results that validate safe operation, efficiently tune older systems and save customers' money.

Featuring industry-exclusive B-Smart® CO sensor technology, it enables technicians and HVAC/R service representatives to 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 is capable of measuring flue gas and room air CO, and can also function as a dual channel digital thermometer (up to 999° F) and a digital manometer (which measures draft, gas pressure, ESP, and up to +/- 40 INWC).

Able to provide up to 100 combustion, pressure and temperature records, the Fyrite® INSIGHT® Plus can also 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 NOx filter

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

#### New! High CO Shut-Off/Protection feature

#### New! 2-year or 3-year O<sub>2</sub> sensor warranty



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 including O <sub>2</sub> sensor Long-life O <sub>2</sub> sensor carries a 3-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

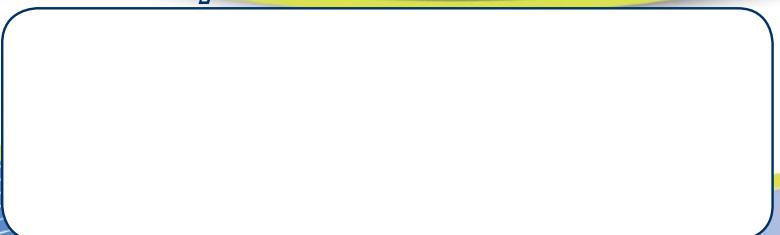
<b>0024-8515</b>	Fyrite® INSIGHT® Plus
<b>0024-8517</b>	Fyrite® INSIGHT® Plus (with Long-Life O <sub>2</sub> sensor)
<b>0024-8519</b>	Fyrite® INSIGHT® Plus - European Model*
<b>0024-8521</b>	Fyrite® INSIGHT® Plus European Model* (with Long-Life O <sub>2</sub> sensor)
<b>0024-8516</b>	Fyrite® INSIGHT® Plus w/Reporting Pkg. Kit
<b>0024-8518</b>	Fyrite® INSIGHT® Plus w/Reporting Pkg. Kit (with Long-Life O <sub>2</sub> sensor)
<b>0024-8520</b>	Fyrite® INSIGHT® Plus w/Reporting Pkg. Kit – European Model*
<b>0024-8522</b>	Fyrite® INSIGHT® Plus w/Reporting Pkg. Kit – European Model* (w/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 (AA) Batteries and Magnet
<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>0024-1593</b>	CO Sensor (not calibrated)
<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

