



Combustion Analyzers

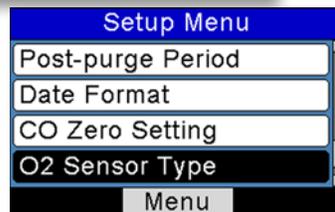
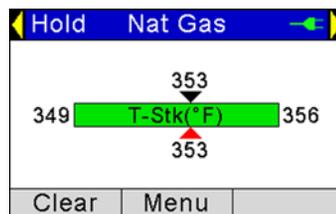
Residential Combustion Analyzer Fyrite® INSIGHT® Plus

NEW



Features & Benefits:

- Vibrant, full-color display with dynamic info-graphing shows easy-to-read, real-time analysis
- O₂, 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) O₂ 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

- O₂ 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



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

9 User-Selectable Fuels:	Natural Gas, Oil #2, Oil #4, Oil #6, Propane, Coal, Wood, Kerosene, B5 (+ 2 custom) (10 fuels available with Siegert ver.)										
Measurement Ranges:	<table border="1"> <tr> <td>Combustion Air/Ambient Air Temperature</td> <td>-4 to 600° F (-20 to 316° C)</td> </tr> <tr> <td>Flue Gas Temperature</td> <td>-4 to 1,202° F (-20 to 650° C)</td> </tr> <tr> <td>Oxygen (O₂)</td> <td>0.0 to 20.9%</td> </tr> <tr> <td>Carbon Monoxide (CO)</td> <td>0 to 4,000 ppm</td> </tr> <tr> <td>Draft / Differential Pressure</td> <td>-40 to +40 INWC (100 mBar)</td> </tr> </table>	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 ₂)	0.0 to 20.9%	Carbon Monoxide (CO)	0 to 4,000 ppm	Draft / Differential Pressure	-40 to +40 INWC (100 mBar)
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 ₂)	0.0 to 20.9%										
Carbon Monoxide (CO)	0 to 4,000 ppm										
Draft / Differential Pressure	-40 to +40 INWC (100 mBar)										
Calculated Ranges:	<table border="1"> <tr> <td>Combustion Efficiency</td> <td>0.1 to 100%</td> </tr> <tr> <td>Carbon Dioxide (CO₂)</td> <td>0.1 to a fuel dependent max. value in percent</td> </tr> <tr> <td>Carbon Monoxide (air free)</td> <td>0 to 9,999 ppm</td> </tr> <tr> <td>Excess Air</td> <td>0 to 250%</td> </tr> </table>	Combustion Efficiency	0.1 to 100%	Carbon Dioxide (CO ₂)	0.1 to a fuel dependent max. value in percent	Carbon Monoxide (air free)	0 to 9,999 ppm	Excess Air	0 to 250%		
Combustion Efficiency	0.1 to 100%										
Carbon Dioxide (CO ₂)	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 O ₂ sensor*) *Long-life O ₂ 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:	<p>Fyrite® INSIGHT® Plus: instrument comes with probe, spare filters, protective rubber boot, 4 AA batteries, user manual and hard-carrying case.</p> <p>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</p>										

Fyrite® INSIGHT® Plus Ordering Information

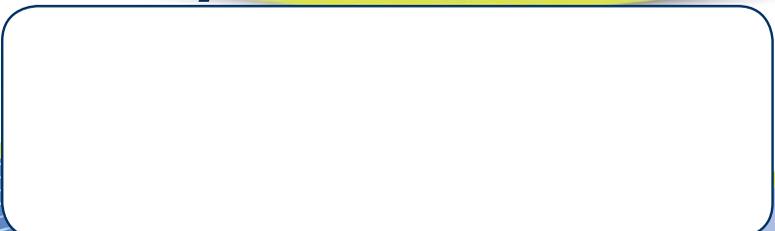
0024-8515	Fyrite® INSIGHT® Plus
0024-8517	Fyrite® INSIGHT® Plus (with Long-Life O ₂ sensor)
0024-8519	Fyrite® INSIGHT® Plus - European Model*
0024-8521	Fyrite® INSIGHT® Plus European Model* (with Long-Life O ₂ sensor)
0024-8516	Fyrite® INSIGHT® Plus w/Reporting Pkg. Kit
0024-8518	Fyrite® INSIGHT® Plus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

*European based calculations

Fyrite® INSIGHT® Plus Accessories

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

Distributed By:



BACHARACH
The Measurable Difference

Fyrite® INSIGHT® Plus, B-Smart® and Bacharach® are registered trademarks of Bacharach, Inc.
©2012, Bacharach, Inc., all rights reserved. All information is subject to verification.

May 2013 - REV. 3 Printed in U.S.A.



MADE IN THE USA

