



Residential Combustion Analyzer Fyrite® INSIGHT® Plus

NEW

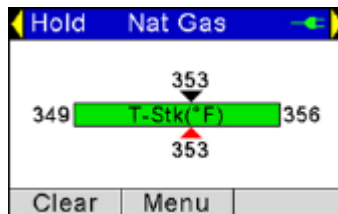


Features & Benefits:

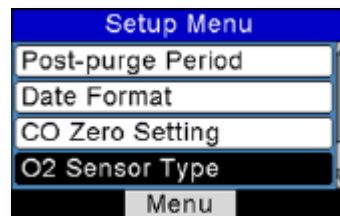
Vibrant, full-color display shows easy-to-read real-time analysis

Fast and accurate O₂, 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

- 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 NO_x filter

Manual Zero/Auto-Zero (CO) feature

New! High CO Shut-Off/Protection feature

New! 2-year or 3-year C₂ 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 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.

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 Siegertver)	
Measurement Ranges:	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:	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 including O ₂ sensor Long-life O ₂ sensor carries a 3-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 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	Printer/Disposable (AA) Batteries and Magnet
0024-1310	Printer (5 rolls)
0024-1611	Universal Power Adapter
0104-1797	Thermocouple (combustion temp.)
0104-1798	Thermocouple (ambient temp.)
0024-8242	Differential Pressure & Temperature Kit
0024-1591	Long-Life Replacement Sensor
0024-1593	Sensor (not calibrated)
0024-1616	B-Smart [®] Sensor (pre-calibrated)
0024-8257	Long-Life O ₂ Sensor Upgrade Kit

