Residential Combustion Analyzer
Fyrite® INSIGHT®

The Fyrite® INSIGHT® is Bacharach's newest residential combustion analyzer that redefines what a combustion analyzer should be. This lightweight, hand-held analyzer uses state-of-the-art technology to accurately measure, analyze and report test results for validating safe operation, installing more efficient systems and saving customers' money. With its easy to use PC software and B-Smart® CO Sensor technology, the Fyrite® INSIGHT® gives technicians and HVAC/R service representatives the ability to upgrade software and calibrate their equipment in the field, avoiding costly downtime.

Five Tools in ONE!

The Fyrite® INSIGHT® 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 +/- 100 INWC).

Capable of providing up to 100 combustion, pressure and temperature records, the Fyrite® INSIGHT® also can display measurement results for up to eight different fuels on its bright backlit graphic LCD display. In addition, specific information can also be uploaded to a PC or printed version via an infrared printer.

Fyrite® INSIGHT® 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

New NOx filter (optional)

User diagnostics

- O_2 sensor life indication
- Calibration reminders

Graphic LCD display

- Backlight, custom readout and zoom feature

Reporting package (optional)

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

Pre-calibrated B-Smart® CO sensor

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® Specifications

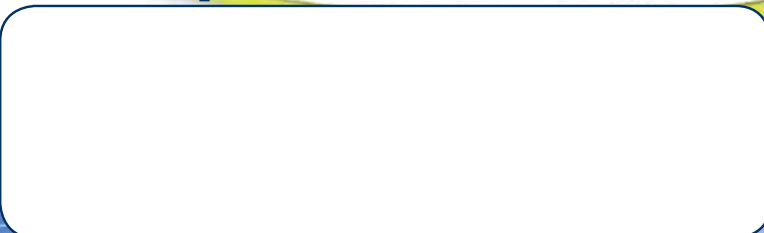|		
Selectable Fuels:	Natural Gas, Oil #2, Oil #4, Oil #6, Propane, Coal, Wood and Kerosene	
Measurement Ranges:	Combustion Air/Ambient Air Temperature	-4 to 600° F (-20 to 316° C)
	Flue Gas Temperature	-4 to 1200° F (-20 to 649° C)
	Oxygen (O_2)	0.0 to 20.9%
	Carbon Monoxide (CO)	0 to 2,000 ppm
	Draft / Differential Pressure	-100 to +100 INWC
Calculated Ranges:	Combustion Efficiency	0.1 to 100%
	Carbon Dioxide	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 (51.61 cm x 23.22 cm x 14.84 cm)	
Weight:	16 oz. with batteries (0.45 kg)	
Power:	4 AA Alkaline batteries (included), Minimum of 20 hours typical battery life	
Warranty:	Instrument and sensors - 2 Years	
Contents:	Fyrite® INSIGHT® (instrument comes with probe, spare filter, protective rubber boot, 4 AA batteries, instructional DVD and hard carrying case)	
	Fyrite® INSIGHT® w/Reporting Pkg. Kit (instrument comes with probe, spare filter, protective rubber boot, IrDA printer, USB cable and software, 8 AA batteries, instructional DVD and hard carrying case)	

Fyrite® INSIGHT® Ordering Information

0024-8250	Fyrite® INSIGHT®
0024-8252	Fyrite® INSIGHT® - European Model*
0024-8251	Fyrite® INSIGHT® w/Reporting Pkg. Kit
0024-8253	Fyrite® INSIGHT® w/Reporting Pkg. Kit – European Model*
	European-based calculations

Fyrite® INSIGHT® Accessories

0024-1492	Fyrite® INSIGHT® Reporting Kit (includes IrDA printer, USB cable and sofware)
0024-1400	IrDA Printer w/Disposable Batteries
0024-1310	Printer Paper (5 rolls)
0024-1254	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
0024-1505	Optional NOx Filter

Distributed By:

MADE IN THE USA

ISO 9001:2008