



Combustion Analyzers



# Residential Combustion Analyzer Fyrite® InTech®

## Features & Benefits:

- “Plug-n-play” B-Smart® pre-calibrated CO sensor enables simple in-field replacement, reducing instrument down-time and providing low cost of ownership.
- Easy-to-read, high-contrast LCD display with backlighting and adjustable font size
- Direct measurement of O<sub>2</sub>, CO (0-2,000 ppm), stack, ambient and combustion air temperatures
- Calculated measurement of combustion efficiency, CO<sub>2</sub>, CO (air free) and excess air
- CO shut-off/protect feature prevents exposure to over-range conditions to prolong sensor life
- Up to 20 hours of continuous operation using four replaceable “AA” alkaline batteries



## Affordable, Easy-To-Use Combustion Analyzer

The Fyrite® InTech® is an advanced, American-made, residential combustion analyzer that delivers quick, accurate measurement of oxygen, carbon monoxide and ambient, stack and combustion air temperatures. Its entry-level price point and low maintenance cost give contractors and technicians an affordable way to gain the convenience and efficiency of electronic combustion analysis. The InTech® features simple push-button operation, 6 selectable fuel types and can store up to ten complete records in memory or output unlimited records via the optional wireless printer and reporting kit.

Designed to calculate the efficiency of residential furnaces and combustion appliances by measuring the combustion air temperature, stack temperature and the percent oxygen level in the flue-gas stream, the Fyrite® InTech® delivers rugged, reliable performance in a light, handheld unit.

## Fyrite® InTech® Product Specifications

<b>Measurement Ranges:</b>	
<b>Ambient Temperature</b>	23° F to 113° F (-5° C to 45° C)
<b>Flue Gas Temperature</b>	-4° F to 1,202° F (-20° C to 650° C)
<b>Oxygen (O<sub>2</sub>)</b>	0.0% to 20.9%
<b>Carbon Monoxide (CO)</b>	0 - 2,000 ppm
<b>Calculated Ranges:</b>	
<b>Combustion Efficiency</b>	0.1 to 100%
<b>Carbon Dioxide (CO<sub>2</sub>)</b>	0.1 to a fuel dependent maximum (in %)
<b>Carbon Monoxide (Air Free)</b>	0 to 9,999 ppm
<b>Excess Air</b>	0 to 250%
<b>Selectable Fuels:</b>	6 pre-programmed: Natural Gas, Oil #2, Oil #6, Kerosene, B5, and propane/LPG (10 fuels available with Siegert version)
<b>Data Capability:</b>	Up to 10 complete records, internal storage
<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 (included)
<b>Run Time:</b>	Minimum 20 hours, typical battery life
<b>Approvals:</b>	EN 50270 (CE mark), EN 50379
<b>Warranty:</b>	Instrument, CO and O <sub>2</sub> Sensors - 2 Years
<b>Display Languages Available<sup>†</sup>:</b>	English, French, Spanish, Polish, German, Italian, Dutch, Danish ( <sup>†</sup> depending on configuration)

## Fyrite® InTech® Ordering Information

<b>0024-8511</b>	Fyrite® InTech® (CO, O <sub>2</sub> , includes probe, 4 AA batteries, soft-carry case)
<b>0024-8523</b>	Fyrite® InTech® Kit - without printer (CO, O <sub>2</sub> , includes rubber boot, probe, 4 AA batteries, hard-carry case)
<b>0024-8512</b>	Fyrite® InTech® Reporting Kit - (CO, O <sub>2</sub> , includes printer, rubber boot, probe, 8 AA batteries, hard-carry case, USB cable, Fyrite® User Software, spare filters)
<b>0024-8513</b>	Fyrite® InTech® Siegert Model* (CO, O <sub>2</sub> , includes probe, 4 AA batteries, soft-carry case)
<b>0024-8514</b>	Fyrite® InTech® Reporting Kit Siegert Model* - (CO, O <sub>2</sub> , includes printer, rubber boot, probe, 8 AA batteries, hard-carry case, USB cable, Fyrite® User Software, spare filters)

\* European based calculations.

## Fyrite® InTech® Replacement Parts & Accessories

<b>0024-1400</b>	IrDA Printer w/ Disposable Batteries
<b>0024-1310</b>	Printer Paper (5 rolls)
<b>0024-1461</b>	Protective Boot with Magnet
<b>0024-0865</b>	Hard Carrying Case
<b>0024-1505</b>	NO <sub>x</sub> Filter Kit
<b>0019-3265</b>	Replacement Water Trap/ Filter Assembly (for Probe Assembly)
<b>0007-1644</b>	Replacement Filters for Water Trap (package of 3)

### Distributed By:

Contact:  
 Industrial Process Measurement, Inc.  
 3910 Park Avenue, Unit 7  
 Edison, NJ 08820  
 732-632-6400  
 support@instrumentation2000.com  
 http://www.instrumentation2000.com



**BACHARACH**  
 The Measurable Difference

BACHARACH IS A U.S. BASED MANUFACTURER

Fyrite® InTech®, B-Smart® and Bacharach® are registered trademarks of Bacharach, Inc.  
 ©2014, Bacharach, Inc., all rights reserved. All information is subject to verification.  
 October 2014 - REV. 5 Printed in U.S.A.

