



Combustion Analyzers

Residential Combustion Analyzer Fyrite® InTech®



Features & Benefits:

- Easy-to-read, high-contrast LCD display with backlighting
- Low-cost combustion analyzer
- Direct measurement of O₂, CO (0-2,000 ppm), stack and ambient temperature
- Calculated measurement of combustion efficiency CO₂, CO (air-free) and excess air
- Internal data storage of 10 complete records
- Rugged, reliable, long-running performance in a light, handheld unit
- "Plug-n-play" B-Smart® pre-calibrated sensors enable simple in-field replacement, reducing instrument down-time and providing low cost of ownership.



Affordable, Easy-To-Use Combustion Analyzer

Based on the same technology as Bacharach's Fyrite® commercial units, the Fyrite® InTech® is an advanced, American-made, residential combustion analyzer that delivers quick, accurate measurement of oxygen, carbon monoxide, stack temperature and ambient temperature. It helps to reduce service call times by providing accurate, electronic test results instantly via intuitive, push-button operation and a menu of 6 selectable fuel types. A new, high-contrast LCD graphic display, with backlighting, makes your results easy to see in any environment and can be output via an optional wireless printer and reporting kit.

Designed to calculate the efficiency of residential furnaces and combustion appliances by measuring the stack temperature and the percent oxygen level in the flue-gas stream, The Fyrite® InTech® also features B-Smart® sensor technology which enables simple, in-the-field pre-calibrated sensor replacement, which minimizes instrument downtime and provides a low cost of ownership.



Quick Payback

The Fyrite® InTech® reduces service call times by providing accurate, electronic test results instantly

Accurate Operation

Tactile feedback from the instrument's keypad assures that the appropriate key has been pressed

Ergonomically Designed

The instrument is light and fits in the palm of your hand, making it easy to handle.

Long Battery Life

Four alkaline batteries typically offer up to 20 hours of continuous operation with an automatic "power off" feature that saves energy

Featuring B-Smart® Sensors

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® InTech® Product Specifications

Measurement Ranges:

Ambient Temperature

23° F to 113° F (-5° C to 45° C)

Flue Gas Temperature

-4° F to 1,202° F (-20° C to 650° C)

Oxygen (O₂)

0.0% to 20.9%

Carbon Monoxide (CO)

0 - 2,000 ppm

Calculated Ranges:

Combustion Efficiency

0.1 to 100%

Carbon Dioxide (CO₂)

0.1 to a fuel dependent maximum (in %)

Carbon Monoxide (Air Free)

0 to 9,999 ppm

Excess Air

0 to 250%

Selectable Fuels:

6 pre-programmed: Natural Gas, Oil #2, Oil #6, Kerosene, B5, and propane/LPG | (10 fuels available with Siegert version)

Data Capability:

Dimensions:

Up to 10 complete records, internal storage

Weight:

8.0" h x 3.6" w x 2.3" d (20.3 cm x 9.1 cm x 5.8 cm)

Power:

16 oz. with batteries (0.45 kg)

Run Time:

4 AA Alkaline batteries (included)

Approvals:

Minimum 20 hours, typical battery life

Warranty:

EN 50270 (CE mark), EN 50379

Display Languages Available:

Instrument and CO sensor- 2 Years; O₂ Sensor - 1 Year

English, French, Spanish, Polish, German, Italian, Dutch, Danish

Fyrite® InTech® Ordering Information

0024-8510

Fyrite® InTech® (O₂ Only, includes probe, 4 AA batteries, soft-carry case)

0024-8511

Fyrite® InTech® (CO, O₂, includes probe, 4 AA batteries, soft-carry case)

0024-8513

Fyrite® InTech® European Model* (CO, O₂, Includes probe, 4 AA batteries, soft-carry case)

0024-8523

Fyrite® InTech® Kit - without printer (CO, O₂, includes rubber boot, probe, 4 AA batteries, hard-carry case)

0024-8512

Fyrite® InTech® Reporting Kit - (CO, O₂, includes printer, rubber boot, probe, 8 AA batteries, hard-carry case, USB cable, Fyrite® User Software, spare filters)

0024-8514

Fyrite® InTech® Reporting Kit European Model* - (CO, O₂, 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

0024-1400

IrDA Printer w/ Disposable Batteries

0024-1310

Printer Paper (5 rolls)

0024-1461

Protective Boot with Magnet

0024-0865

Hard Carrying Case

0024-1505

NO_x Filter Kit

0019-3265

Replacement Water Trap/ Filter Assembly (for Probe Assembly)

0007-1644

Replacement Filters for Water Trap (package of 3)

Ordering Information: Part No. BA0039RE

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In support of our policy of continuous product improvement we reserve the right to change materials and specifications without notice. Drawings, where used, are not to scale. All dimensions are in millimetres and sizes given are approximate. Where possible, technical MSDS data sheets are made available on the website. All products should be installed and used in accordance with manufacturer's instructions provided. Warning: products may be the subject of registered designs and patents. Refer to website for terms and conditions on warranty.

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