



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 O<sub>2</sub>, CO (0-2,000 ppm), stack and ambient temperature
- Calculated measurement of combustion efficiency CO<sub>2</sub>, 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.



## Fyrite® InTech® Product Specifications

### 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.

#### 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 (O<sub>2</sub>)**

0.0% to 20.9%

**Carbon Monoxide (CO)**

0 - 2,000 ppm

#### Calculated Ranges:

**Combustion Efficiency**

0.1 to 100%

**Carbon Dioxide (CO<sub>2</sub>)**

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:

Up to 10 complete records, internal storage

#### 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 (included)

#### Run Time:

Minimum 20 hours, typical battery life

#### Approvals:

EN 50270 (CE mark), EN 50379

#### Warranty:

Instrument and CO sensor- 2 Years; O<sub>2</sub> Sensor - 1 Year

#### Display Languages Available:

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

## Fyrite® InTech® Ordering Information

**0024-8510**

Fyrite® InTech® (O<sub>2</sub> Only, includes probe, 4 AA batteries, soft-carry case)

**0024-8511**

Fyrite® InTech® (CO, O<sub>2</sub>, includes probe, 4 AA batteries, soft-carry case)

**0024-8513**

Fyrite® InTech® European Model\* (CO, O<sub>2</sub>, Includes probe, 4 AA batteries, soft-carry case)

**0024-8523**

Fyrite® InTech® Kit - without printer (CO, O<sub>2</sub>, includes rubber boot, probe, 4 AA batteries, hard-carry case)

**0024-8512**

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)

**0024-8514**

Fyrite® InTech® Reporting Kit European 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

**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<sub>x</sub> Filter Kit

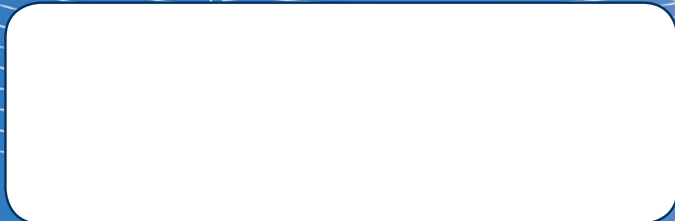
**0019-3265**

Replacement Water Trap/ Filter Assembly (for Probe Assembly)

**0007-1644**

Replacement Filters for Water Trap (package of 3)

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