Fyrite® INSIGHT® Combustion Analyzer
For Residential Applications

FEATURES	BENEFITS
Industry-Exclusive Tune-Rite™ On Demand HVAC Assistant	Analyzes combustion data and provides real-time troubleshooting suggestions
Compatible With the Bacharach Reporting App	Quickly create custom as-found as-left reports with your company logo and email to your customer
2.8 Inch Color LCD Display With Up To 3x Zoom	Displays combustion data in multiple easy-to-read formats
Long-Life O_2 Sensor (3 Year)	Reduces maintenance cost and downtime
B-Smart® Sensor Exchange Program	Delivers pre-calibrated sensors to your door to eliminate field calibration and minimizes maintenance

2.8 INCH COLOR LCD DISPLAY

Powerful, Easy-to-Use Combustion Analyzer Powered by Tune-Rite®

DESCRIPTION

The Fyrite® INSIGHT® Plus is the perfect tool for busy residential/light-commercial technicians who need to ensure safe operating conditions and determine combustion efficiency. Powered by innovative Tune-Rite® software (patent pending), the industry's first-ever on-demand HVAC "assistant," the INSIGHT® Plus helps both new and seasoned technicians save money by making more thorough and efficient service calls.

The INSIGHT® Plus includes sensors for Oxygen (O_2) and Carbon Monoxide (CO), which includes a built-in NO_x filter. The O_2 sensor has a 3 year warranty, while the CO sensor can be replaced in the field without down time using B-Smart® pre-calibrated sensors. The INSIGHT® Plus calculates values like efficiency, CO_2* and CO air-free to help monitor combustion processes effectively and accurately.

The Fyrite® INSIGHT® has been self-certified to comply with AHRI 1260.

*Note: The Fyrite® INSIGHT® Plus calculates CO_2 value based upon other measured values during the combustion process. It does not measure CO_2 directly.

TECHNICAL SPECIFICATIONS

RESIDENTIAL   COMMERCIAL   COMBUSTION

PRODUCT ATTRIBUTES	DESCRIPTION
Measurements	
O_2	20.9%
CO (w/ integrated NO_x filter)	0 to 4,000 ppm
Stack Temperature	-4 to 1,202°F (-20 to 650°C)
Primary / Ambient Air Temperature	-4 to 600°F (-20 to 316°C)
Draft / Differential Pressure	±40 inH_2O (±10 mbar)
Display	2.8 in. (72 mm) color LCD w/ backlight
Power	4x AA batteries or optional USB wall adapter
Run Time	15 hours minimum (alkaline batteries)
Size (H x W x D)	8.0 x 3.6 x 2.3 in. (20.3 x 9.1 x 5.8 cm)
Weight	1 lb. (0.45 kg) including batteries
Fuels[1]	Natural gas, coal, oil 2/4/6, wood, kerosene, propane, butane, LPG, B5, KOKS, LEG, biofuel, + 2 optional custom fuels
Operating Conditions	23 to 113°F (-5 to 45°C), 15 to 90% RH (non-condensing), 1 ATM ±10%
Warm-Up Time	30 to 60 Seconds
Memory	100 locations
Communications	USB 2.0 (mini-B), IrDA
Approvals	CE mark, EN 50379-1 & -3
Warranty	2 years (including Sensors) 3 years for long-life O_2 sensor, if equipped

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
North America	
0024-8517	Fyrite® INSIGHT® Plus standard kit w/ 12 in. probe, 6 ft. sample tube, 3x spare filters, protective rubber boot, 4x AA batteries and hard carrying case
0024-8518	Fyrite® INSIGHT® Plus reporting kit w/ 12 in. probe, 6 ft. sample tube, 3x spare filters, protective rubber boot, 8x AA batteries, hard carrying case, IrDA wireless printer, USB mini cable and Fyrite® user software
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0024-8521	Fyrite® INSIGHT® Plus standard kit w/ 12 in. probe, 6 ft. sample tube, 3x spare filters, protective rubber boot, 4x AA batteries and hard carrying case
0024-8522	Fyrite® INSIGHT® Plus reporting kit w/ 12 in. probe, 6 ft. sample tube, 3x spare filters, protective rubber boot, 8x AA batteries, hard carrying case, IrDA wireless printer, USB mini cable and Fyrite® user software