

# Insight® Plus Combustion Analyzer

## For Residential and Commercial Applications

**BACHARACH**

### DESCRIPTION

Bacharach's Insight® Plus is the ideal combustion analyzer for both entry-level and experienced residential or commercial HVAC technicians providing readings for O<sub>2</sub>, CO, CO<sub>2</sub>, Combustion Efficiency, Temperature, & Draft. Bacharach's exclusive Tune-Rite™ software allows for fast and simple combustion analysis and troubleshooting to ensure safe operating conditions and determine combustion efficiency. The Insight® Plus is available with precalibrated, B-Smart® sensors to minimize downtime and maintenance costs. The Combustion mobile app (available for Android & iOS) allows users to create and send customizable combustion reports on-site.

### FEATURES

Readings for O<sub>2</sub>, CO, CO<sub>2</sub>, Combustion Efficiency, Temperature, & Draft

Industry-exclusive Tune-Rite On-demand HVAC Assistant

Combustion App

Long Life O<sub>2</sub> Sensor (3 Year Warranty)

Automatic Sensor Protection

IR Printer with magnet

Ambient CO Monitor

Precalibrated, B-Smart® Sensors

### BENEFITS

All-in-one tool making combustion tuning fast and simple.

Analyzes combustion data and provides real-time troubleshooting suggestions

Quickly create custom reports with comments and send via email (available for Android & iOS).

Reduced maintenance cost and downtime

Protects sensors in the toughest combustion environments, extending life

Print combustion and emissions reports in the field

Check for dangerous levels of ambient CO

Quick and easy sensor replacement in the field & reduced downtime (doesn't require cal. gas)



Automatic delivery of precalibrated sensors to your door to eliminate field calibration and minimize maintenance



Backlit color LCD display



Combustion App



### HOW TO CONTACT US:

US Customer Service: +1 724 334 5000

EU Customer Service: +353 1 284 6388

CAN Customer Service: +1 905 882 8985

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[mybacharach.com](http://mybacharach.com)

### FOR MORE INFO:

Scan the QR code to learn more about the Fyrite® Insight® Plus and other Bacharach products.



SPECIFICATIONS	DESCRIPTION
O <sub>2</sub>	20.9%
CO (w/ integrated NO <sub>x</sub> filter)	0 to 4,000 ppm
Stack Temperature	-4 to 1,202°F (-20 to 650°C)
Ambient Temperature	-4 to 600°F (-20 to 316°C)
Draft / Differential Pressure	±40 inH <sub>2</sub> O (±10 mbar)
Fuels	Natural Gas, Coal, Oil 2/4/6, Wood, Kerosene, Propane, Butane, LPG, B5, KOKS, LEG, Biofuel and two optional custom fuels

PRODUCT DETAILS	DESCRIPTION
Display	2.8" (72 mm) backlit, color LCD
Display Languages	English, Spanish, French
Power	4 × AA Disposable Alkaline Batteries ≈ 15 hours
Size (H × W × D)	8.0" × 3.6" × 2.3" (20.3 × 9.1 × 5.8 cm)
Weight	1 lb. (0.45 kg) including batteries
Memory	100 records
Communications	USB 2.0 (mini-B), IrDA
Approvals	CE, EN 50379-1 & -3
Warranty	2 years (including sensors) 3 years for long-life O <sub>2</sub> sensor, if equipped

PART NUMBERS *	DESCRIPTION
0024-8517	Fyrite® Insight® Plus (analyzer, 12" probe, 6' sample hose assembly, 3 × particulate filters, protective rubber boot and rugged protective carrying case)
0024-8518	Fyrite® Insight® Plus & Reporting Kit (IrDA wireless printer, USB cable and Fyrite® User Software)

\* Siegert configurations available.