

Bacharach® Insight® Plus Combustion Analyzer

For Residential and Commercial Applications



DESCRIPTION

The MSA Bacharach® Insight® Plus is the ideal combustion analyzer for both entry-level and experienced residential or commercial HVAC technicians providing readings for O₂, CO, CO₂, 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, Sensor Exchange Program gas 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

Benefits

Readings for O₂, CO, CO₂, Combustion Efficiency, Temperature, & Draft

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

Industry-exclusive Tune-Rite On-demand HVAC Assistant

Analyzes combustion data and provides real-time troubleshooting suggestions

Combustion App

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

Long Life O₂ Sensor (3 Year Warranty)

Reduced maintenance cost and downtime

Automatic Sensor Protection

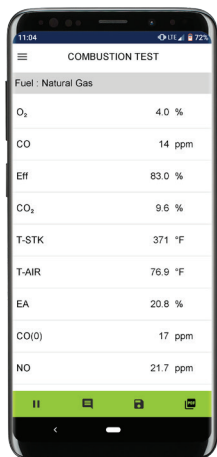
Protects sensors in the toughest combustion environments, extending life

IR Printer with magnet

Print combustion and emissions reports in the field

Ambient CO Monitor

Check for dangerous levels of ambient CO



Generate Custom Reports with the Combustion App



MORE INFORMATION:

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

Bacharach® Insight® Plus Combustion Analyzer



Specifications	Description
O ₂	20.9%
CO (W/ INTEGRATED NOX 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 ₂ 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 ₂ sensor, if equipped

Part Number	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.

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice. MSA is a registered trademark of MSA Technology, LLC in the US, Europe, and other Countries. For all other trademarks visit <https://us.msasafety.com/Trademarks>.

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