

# Combustion Analyzers



## PCA® 400

### Combustion & Emissions Analyzer for Commercial & Industrial Applications

The MSA Bacharach® PCA® 400 is a handheld versatile combustion and emissions analyzer for commercial and industrial applications.

The analyzer may be configured for up to 4 gas sensors, including O<sub>2</sub>, CO, NO, NO<sub>2</sub> and SO<sub>2</sub>. The PCA® 400's portable and durable design is ideal for testing, tuning, and maintaining burners, engines, furnaces and variety of other commercial and industrial combustion applications.

- Up to 4 gas sensors for O<sub>2</sub>, CO, NO, NO<sub>2</sub> and SO<sub>2</sub>
- Wireless Bluetooth® connection to mobile app for real-time combustion measurements and remote operation
- Long life O<sub>2</sub> sensor with 5 year warranty reduces maintenance costs and downtime



### Large Color Touch Display

Provides simple operation and easy-to-see results.



### All Day Power

Typical 12 hour run time with standard Li-Ion rechargeable. 4x AA batteries or AC power also available.



### Sensor Program

Eliminates field calibrations and cal gases with simple, pre-calibrated sensor using Near Field Communication (NFC) to transfer calibration data. The sensor program includes a factory certificate of calibration.



### Bluetooth®

Standard Bluetooth® wireless technology enables real-time data streaming to smartphones, tablets.



## Fyrite® Insight® Plus

### Residential & Commercial Furnaces

- Provides readings for O<sub>2</sub>, CO, CO<sub>2</sub>, combustion efficiency, temperature and draft
- Tune-Rite™ assistant software with guidance, real-time feedback, and troubleshooting recommendations
- Long life O<sub>2</sub> sensor with 3-year warranty



## Fyrite® InTech®

### Residential Furnaces

- Provides readings for O<sub>2</sub>, CO, CO<sub>2</sub>, combustion efficiency and temperature
- Combustion App allows users to quickly create custom reports with comments and send via email (available for Android & iOS)
- Intuitive and fast menu navigation

## Product Comparison Chart

	Fyrite® InTech®	Fyrite® Insight® Plus	PCA® 400
<b>APPLICATIONS</b>	Residential Furnaces	Residential & Commercial Furnaces	Commercial Boilers, Engines & Compressors
<b>SENSORS</b>	2	2	4
<b>DRAFT</b>	-	±40 in H <sub>2</sub> O (±100 mbar)	±72 in H <sub>2</sub> O (±179 mbar)
<b>CO</b>	0 – 2,000 ppm	0 – 4,000 ppm	0 – 10,000 ppm (20,000 with dilution) & 0 – 40,000 (80,000 with dilution)
<b>CO<sub>HIGH</sub></b>	-	-	0 – 40,000 ppm
<b>O<sub>2</sub></b>	0 – 20.9%	0 – 20.9%	0 – 20.9%
<b>NO</b>	-	-	0 – 3,000 ppm
<b>NO<sub>2</sub></b>	-	-	0 – 500 ppm
<b>SO<sub>2</sub></b>	-	-	0 – 5,000 ppm
<b>MOBILE APP</b>	Data Transfer, Reporting	Data Transfer, Reporting	Data Transfer, Reporting Remote Operation
<b>PRE-CALIBRATED SENSORS</b>	Field Replaceable	Field Replaceable	Field Replaceable
<b>FURNACE TUNING SOFTWARE</b>	-	Tune-Rite™	-
<b>MEMORY LOCATIONS</b>	10	100	500
	<b>MORE INFORMATION</b>	<b>MORE INFORMATION</b>	<b>MORE INFORMATION</b>



### THE COMBUSTION MOBILE APP

The Bacharach Combustion App gives technicians the ability to generate and send customizable combustion reports from their smartphone / tablet, eliminating the need for a printer.

#### Features:

- Set up customer profiles with facility and equipment information
- Save and view records of test data
- Generate reports in PDF, CSV, or XML format using saved records
- Send or share a report file as an email attachment or to a cloud storage service



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