

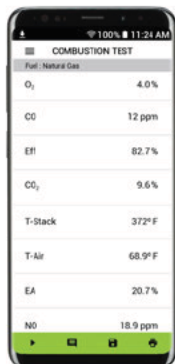
PCA® 400 Combustion and Emissions Analyzer

For Commercial and Industrial Applications

BACHARACH.


Large color touch display

Integrated magnetic boot



Combustion App



DESCRIPTION

Bacharach's PCA® 400 is a handheld versatile combustion and emissions analyzer for commercial and individual applications. The analyzer may be configured for up to 4 gas sensors, including O₂, CO, NO, NO₂ and SO₂. 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. The analyzer also features Bluetooth® communications which allows users to view real-time data send customizable reports from their compatible smart phone.

FEATURES

Up to 4 Gas Sensors
(O₂, CO, NO, NO₂ & SO₂)

Sample Conditioner

Real-Time PC Software

Combustion App

Long Life O₂ Sensor
(5 Year Warranty)

Automatic Dilution and
Sensor Protection

Dual Bluetooth and
IR Printer with magnet

Precalibrated,
B-Smart® Sensors

BENEFITS

Versatile analyser for many commercial and industrial applications

Superior accuracy for low NOx and SOx applications

View and save live data for easy compliance reporting

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

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

PCA® is a trademark of Bacharach, Inc.
mybacharach.com

FOR MORE INFO:

Scan the QR code to learn more about the PCA® 400 and other Bacharach products.



| SPECIFICATIONS | DESCRIPTION |
|--------------------------|---|
| O ₂ | 0 to 20.9% |
| CO (high range) | 0 to 40,000 ppm |
| NO ₂ | 0 to 500 ppm |
| CO-H ₂ | 0 to 10,000 ppm |
| NO | 0 to 3,000 ppm |
| SO ₂ | 0 to 5,000 ppm |
| Fuels ⁽¹⁾ | Natural Gas, Coal, Oil 2/4/6, Propane, Wood / Biofuels, Kerosene, Bagasse, Digester Gas, B5, Pellets, KOKS, LEG, LPG, Butane and Wood Chips |
| Environmental Conditions | Stack Temperature: -4 to 2192°F (-20 to 1200 °C) |
| | Ambient Temperature: -4 to 999 °F (-20 to 537 °C) |
| | Draft / Differential Pressure: ± 72 inch of H ₂ O (± 179mB) |

⁽¹⁾ Available fuels vary based on settings (North American or Siegert).

| PRODUCT DETAILS | DESCRIPTION |
|-------------------|---|
| Size (L × W × D) | 10 × 3.8 × 2.5 (25.4 × 9.7 × 6.4 cm) |
| Weight | 1.5 lbs. (0.68 kg) w/ Li-Ion battery pack |
| Power | Rechargeable Li-Ion Battery ≈ 12 hours 4 × AA Disposable Lithium Batteries ≈ 12 hours 4 × AA Disposable Alkaline Batteries ≈ 5 hours AC Adapter (100-240VAC @ 47-63 Hz) ≈ continuous |
| Display | 4.3" (10.9 cm) backlit, color LCD with resistive touch interface |
| Display Languages | English, Spanish, French |
| Memory | 500 records |
| Communications | Bluetooth® 4.0, USB 2.0 (micro-B), IrDA |
| Approvals | CE & EN50379 Parts 1 and 2 (Siegert only) |
| Warranty | 2 years for instrument, 5 years for O ₂ sensor |

| PART NUMBERS * | DESCRIPTION |
|----------------|---|
| 2411-1112 | PCA® 400 (analyzer with O ₂ , CO and NO sensors, 12' probe, 7.5' sample hose assembly, IrDA + Bluetooth® wireless printer and rugged protective carrying case) |
| 2412-1312 | PCA® 400 for NOx Measurement (analyzer with O ₂ , CO, NO and NO ₂ sensors, 12' probe, 7.5' Viton™ sample hose assembly, IrDA + Bluetooth® wireless printer and rugged protective carrying case) |
| 2413-1312 | PCA® 400 for SOx Measurement (analyzer with O ₂ , CO, NO and SO ₂ sensors, 12' probe, 7.5' Viton™ sample hose assembly, IrDA + Bluetooth® wireless printer and rugged protective carrying case) |

* Additional configuration options available.

PROBE / SAMPLE HOSE OPTIONS



A variety of probe and sample hose options are available to customize the PCA® 400 for any application.

ACTIVE SAMPLE CONDITIONER



The optional sample conditioner's thermoelectric chiller helps users maintain a cool, clean and consistent sample by removing water vapor from the flue gas sample.