



## Portable Combustion & Emissions Analyzer PCA® 400

### FEATURES

Large touch screen display  
 Bluetooth® wireless communications  
 Long-life O<sub>2</sub> sensor (5 Year Warranty)  
 Customizable reports for data viewing  
 Standard Li-Ion Battery  
 Rugged, one step probe connection  
 Automatic Sensor Protection  
 B-Smart Sensor Exchange Program

### BENEFITS

Flexible, intuitive operation  
 Quickly and easily stream data to smartphones & tablets  
 Reduces maintenance cost and downtime  
 Easy compliance reporting and record keeping  
 Operates > 12 hours; optional AA batteries or AC power  
 Easy to attach; exceptional durability  
 Protects sensors in the toughest combustion environments, extending life  
 Delivers pre-calibrated sensors to your door to eliminate field calibration and minimizes maintenance



### DESCRIPTION

Bacharach's new PCA 400 can measure up to 4 gases at once with 6 sensor options.

Users have the option to save measured data in the unit as discreet tests or stream it live via Bluetooth® communications or other smart hand-held device for longer test protocol.

Reports are easily and quickly generated to satisfy compliance requirements. Interchangeable power options (rechargeable Li-Ion, 'AA' alkalines or line power) ensure the unit is always ready for use.

Probes and hoses come in a variety of lengths and materials to satisfy a wide range of measurement and application requirements.

Automatic sensor protection not only guards the sensors from damage, but doubles their measurement range under high load conditions for increased flexibility.

# PCA® 400

#### HOW TO CONTACT US:

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For more information  
 about the PCA 400 and  
 other Bacharach products  
 scan here.





COMMERCIAL



INDUSTRIAL

## ORDERING INFORMATION

P/N	DESCRIPTION
2411-1112	PCA 400 w/ O <sub>2</sub> , CO, NO, 12 in. probe with 7.5 ft. STD tubing, standard case and Bluetooth® printer
2412-1312	PCA 400 w/ O <sub>2</sub> , CO, NO, NO <sub>2</sub> , 12 in. probe with 7.5 ft. VITON™ tubing, standard case and Bluetooth® printer
2413-1312	PCA 400 w/ O <sub>2</sub> , CO, NO, SO <sub>2</sub> , 12 in. probe with 7.5 ft. VITON™ tubing, standard case and Bluetooth® printer

## SPECIFICATIONS

MEASUREMENTS:	DESCRIPTION
O <sub>2</sub>	0 to 29%
CO-H <sub>2</sub> compensated	0 to 10,000 ppm
CO (high range)	0 to 40,000 ppm
NO	0 to 3,000 ppm
NO <sub>2</sub>	0 to 500 ppm
SO <sub>2</sub>	0 to 5,000 ppm
Size (L x W x D, approx.)	10" x 3.8" x 2.5" (25.4 x 9.7 x 6.4 cm)
Weight (approx.)	1.5 lbs (0.68 kg) w/Li-Ion battery pack
Power	Three options: Rechargeable Li-Ion battery, 4x AA or wall adapter (5V USB)
Display	4.3 in. (10.9 cm) color touch panel LCD
Run Time	12 to 14 hours (typical, w/included Li-Ion battery pack)
Warm-up Time	60 seconds
Fuels <sup>[1]</sup>	Natural gas, coal, oil 2/4/6, propane, wood/biofuels, kerosene, bagasse, digester gas, B5, pellets, KOKS, LEG, LPG, butane, wood chips
Operating Conditions	Temperature: 32 to 113° F (0 to 45° C) Humidity: 5 to 90% RH non-condensing Air Pressure: 1 atmosphere ±10% Position: Any
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 <sub>2</sub> O (± 179mB)
Memory	500 sets of records
Communications	Bluetooth® 4.0, USB 2.0 (micro-B), IrDA
Approvals	CE Mark pending
Warranty	2 years for instrument, 5 years for O <sub>2</sub> sensor

<sup>[1]</sup> Depending upon combustion equation setting (North American or Sievert) - see manual for details.

## ACCESSORIES AND OPTIONS:

A variety of probe and tubing options are available to customize your instrument for your application.



Optional sample conditioner effectively removes water and particulates from flue gas in high heat emissions applications.



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