

▶ PCA 400

Combustion and emissions analyzer



Technical specifications

- Display:** 4.3 in (10.9 cm) color touch panel LCD
- Power:** Rechargeable Li-Ion battery pack, 4x AA batteries or wall adapter (5V USB)
- Run time:** 12 to 14 hours (w/ included Li-Ion battery pack)
- Size:** 10 x 3.8 x 2.5 in. (25.4 x 9.7 x 6.4 cm)
- Weight:** 1.5 lb. (0.68 kg) w/ Li-Ion battery pack
- Fuels:** natural gas, coal, oil 2/4/6, propane, wood/biofuel, kerosene, bagasse, digester gas, B5, pellets, KOKS, LEG, LPG, butane, wood chips
- Operating conditions:** 32 to 113°F (0 to 45°C), 15 to 90% RH (non-condensing), 1 ATM ± 10%
- Warm-up time:** 60 seconds
- Memory:** 500 sets of records
- Communications:** USB 2.0 (micro-B), IrDA, Bluetooth
- Certifications:** CE, EN 50379-1 & -2
- Warranty:** 2 years for instrument, 5 years for O2 sensor
- Sample flow rate:** 0.6 to 0.7 L/min (standard)
1.0 L/min (high flow mode)

Gas	Measurement range
O2 (Oxygen)	0 to 20.9%/vol.
CO-H2 compensated	0 to 10 000 ppm
High CO (Carbon monoxide)	0 to 40 000 ppm
NO	0 to 3 000 ppm
NO2	0 to 500 ppm
SO2	0 to 5 000 ppm

Product description

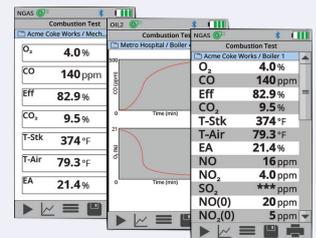
The **PCA 400** combustion and emission analyzer is a tool with many applications. It can be used both for spot-checking and engines tuning and for boilers commissioning, tuning and maintenance (both industrial and commercial) or even for burners compliance test or spot check.

▶ Clear data on multiple media

Thanks to Bluetooth, the **PCA 400** can be managed from a computer or a smartphone. It is also possible to follow the combustion analysis and all measurement parameters on these devices in real time.

Data can be viewed as a text list, mosaic, or trends for more detailed analysis of results.

The smartphone or tablet application mirrors the analyzer display, thus allowing remote start and stop functions, data recording on the device or even purge.



▶ Precise measurements

The **PCA 400** provides fast and accurate measurements for CO, O2 and NO with its standard probe. Viton tube and optional thermoelectric sample conditioner ensure results for all applications, including NO2 and SO2 measurements. It can be configured up to 4 gases. For toughest measurements, the **PCA 400** has options to increase the pump flow and purge sensors with fresh air while the probe is still in the flue.

▶ Robust and easy to maintain

The **PCA 400** has been designed for everyday use commercial and industrial environments. Maintenance is eased by quick access to sensors, batteries, probes and other consumables. B-Smart pre-calibrated sensors are ready to use right out of the box. The user can add a new type of sensor in the field whenever he wants in a few seconds. This reduces downtime and eliminates the need for calibration gas.