



CAT85 | CAT45

# Combustion Analyzers

## Keep gas-fired appliances safe and efficient.

The CAT85 and CAT45 combustion analyzers deliver fast, accurate readings to help HVACR pros dial in performance, verify safety, and meet compliance with confidence. From startup to routine service, they provide the critical combustion data you need to optimize efficiency, reduce risk, and ensure every job is done right.

## Features

- Measures O<sub>2</sub>, CO, CO<sub>2</sub>, and draft pressure
- Large 5.5 in, high-contrast touchscreen display
- SensorVault™ Technology seals off sensors when not in use, prolonging life
- Field-replaceable sensors backed by 4-year warranty
- Connects with Job Link® System App for documentation
- HydroCycle™ pump returns water to the flue, eliminating the water trap (CAT85)
- Built-in manometer means one less tool to carry (CAT85)
- Thermal printer available (CATPR)
- Magnet mount for hands-free operation

## Specifications

JobLink

<b>Measures</b>	O <sub>2</sub> , CO, Live Draft Pressure, Ambient CO, Primary Air Temperature, Fuel Pressure (CAT85)
<b>Calculates</b>	CO <sub>2</sub> , CO Air Free, Excess Air, Efficiency, Dew Point
<b>Sensors</b>	Temperature Type K rod TC, <30 s response Oxygen Electrochemical, <30 s response, 30% Oxygen max overload Carbon Monoxide Electrochemical, <90 s response, 10000 ppm max overload, NOx filter Pressure Probe MEMS, <10 s response, 4.0 in WC max pressure Pressure Ports (CAT85) Silicon, <10 s response, 11.6 psig (321 inWC) max pressure
<b>Stack Temperature Range</b>	32 to 752°F (0 to 400°C)
<b>Fuel Types</b>	Natural Gas, Propane (LPG), Oil #2 (Light), Oil #6 (Heavy), Biofuel, Coal, Coal Town Gas, Coking Oven Gas, KOKS, Custom (x3)
<b>Display</b>	5.5" (13.9 cm) LCD Touch Screen
<b>Wireless Range</b>	1000' (305 m) line of sight
<b>Charging Port</b>	USB-C (5 V/2.0-2.4A DC)
<b>Battery Life</b>	5 hours typical (pump running 80% of the time)
<b>Operating Environment</b>	14°F to 104°F (-10°C to 40°C); <75% RH (non-condensing)
<b>Storage Temperature</b>	-4°F to 140°F (-20°C to 60°C); <80% RH
<b>Probe Dimensions</b>	10.7" (272 mm) length, 0.32" (8.0 mm) diameter
<b>Weight</b>	2.8 lb (1.3 kg) with probe
<b>Limited Warranty</b>	1 year (4 years sensor only)
<b>Patents</b>	<a href="http://www.fieldpiece.com/patents">www.fieldpiece.com/patents</a>