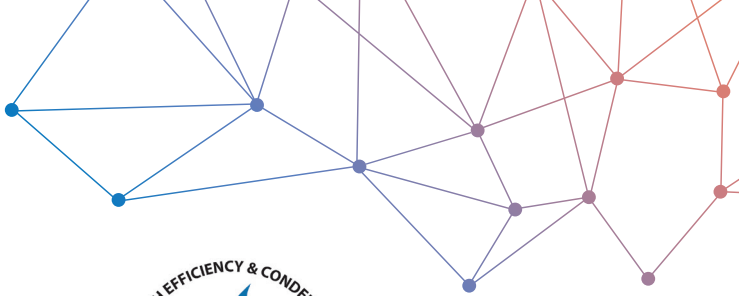




NEW



Si-CA 120

Residential & Commercial Combustion Analyzer The Latest in Combustion Analysis Technology



Accurate / Reliable / Robust / Fast

- 6 Tools In One
- Draft & Differential Pressure
- Flue and Ambient Temp
- Ambient CO Monitor
- Built-In Manometer
- Combustion Efficiency
- Unbreakable Metal Connections
- PC Software w/ Auto Saving
- Real-time data reading on Smartphone
- High Altitude Adjustment



O₂ & CO sensors
(calculated CO₂)



Field Replaceable Sensors



Auto-Zero in the Flue



Automatic, True High-Efficiency
Calculations for All Condensing
Systems



Full Color Graphic Display



iOS and Android Mobile Applications



Si-CA 120 Features

- 1 Simple Menu Interface with Full Color Graphic Display
 - 2 Magnetic Protective Housing
 - 3 Unbreakable Metal Connections
- Pre-Calibrated Field Replaceable Sensors
 - Automatic Outdoor Air Temp. & High-Efficiency Calculations (Condensing Systems)
 - PC Software, Bluetooth® & App Included

Parameter	Sensor	Range	Resolution	Accuracy
O ₂	Electrochemical	0 - 25%	0.1%	±0.2% vol
CO H ₂ compensated w/ built-in NOx filter	Electrochemical	0 - 8000 ppm	1 ppm	±10 ppm <200 ppm ±5 % rdg up to 2000 ppm ±10 % rdg for >2000 ppm
CO ₂	Calculated	0 - 99.9%	0.1%	-
Tair	TcK	-4 to 2285°F -20 to 1250°C	0.1°F 0.1°C	±0.5°F from 32 to 212°F ±0.5% rdg from 213 to 2285°C ±0.5°C from 0 to 100°C ±0.5% rdg from 101 to 1250°C
Tgas	Tc K	-4 to 2285°F -20 to 1250°C	0.1°F 0.1°C	±0.5°F from 32 to 212°F ±0.5% rdg from 213 to 2285°C ±0.5°C from 0 to 100°C ±0.5% rdg from 101 to 1250°C
Differential temperature	Calculated	-4 to 2285°F -20 to 1250°C	0.1°F 0.1°C	-
Pressure/Draft	Semiconductor	-10 to 200 hPa	0.01 hPa	±1 % rdg from -10 to -2.01 hPa ±0.02 hPa from -2.00 to 2.00 hPa ±1 % rdg from 2.01 to 200 hPa
Excess air	Calculated	0 - 850%	1%	-
Efficiency	Calculated	0 - 100%	0.1%	-
Efficiency (condensing)	Calculated	0 - 120%	0.1%	-

Standard Probe Details

- 7" (180mm) probe
- 752°F (400°C) max
- 5' (1.5m) Dual hose
- Longer & High Temperature Probes available

Si CA-120 Kits

- New iOS & Android App (Real-time data reading & QR code scanning)
- New Auto Outdoor Air Temp.
- O₂ & CO (calculated CO₂)
- Combustion Efficiency, Losses, Excess Air
- Ambient CO
- Draft & Differential Pressure
- Temperature Measurements
- Large Color Display
- 2000 Test Internal Memory
- Bluetooth® Connectivity
- Long Lasting Rechargeable Battery & AC Charger
- Gas Sampling Probe & Hose
- Water Trap with Filter Cartridge
- Magnetic Protective Housing
- PC Software & USB Cable
- Quick Start Guide
- Calibration Certificate
- Carrying Case

Standards

- RoHS & RAEE
- EN 50379-1
- EN 50379-2

Ordering Information

Item #	Description
Si-CA 120-NP	Si-CA 120-NP Kit: Analyzer w/ O ₂ , CO, CO ₂ , Efficiency, Excess Air, Draft, Pressure, Temp, Rechargeable Battery & AC Plug, 12" (300mm) Probe with 10' (3m) Dual hose, Vinyl Case, Calibration Certificate, Operating Manual, Cheat Sheet, Water Trap, Paper Roll, 2000 Internal Data Storage, PC Software, Bluetooth™ Connectivity, Automatic Outdoor Air Temperature Saving for ALL 90%+ Systems & Condensing
Si-CA 120-NP-O	Si-CA 120-NP Kit PLUS: Oil Smoke Pump, Smoke Filter Papers, and Comparison Chart
Si-CA 120-NP-P	Si-CA 120-NP Kit PLUS: Differential Pressure Manometer Kit (2 Hoses)

