

ENERAC POCKET

100

Combustion Analyzer

IT GOES WHERE
OTHERS CAN'T



The ENERAC POCKET 100 is designed as a rugged and reliable service tool to assist the boiler or furnace operator.

ENERAC Pocket 100 gives accurate readings in just 30 seconds.

This device is the smallest and most easily portable combustion analyzer in the market, yet it offers more features than any other analyzers that are up to ten times larger in size and bulk.

ENERAC Pocket 100 has the safety features you require.

The instrument measures three key boiler parameters: Stack temperature, oxygen and carbon monoxide. It computes three important stack parameters: Carbon dioxide, combustion efficiency and carbon monoxide to carbon dioxide (CO/CO₂) ratio/or airfree CO. Basic operation is as follows: Turn the instrument on, insert the probe in the stack and read the desired parameters on the display.



1300 Shames Drive, Westbury, New York 11590
1-800-695-3637
(516) 997-2100 Fax (516) 997-2129

APPLICATIONS



Bakers and Forensic: ENERAC Pocket 100 comes with a 10" stainless steel probe and is calibrated to provide accurate readings in both high and low temperature applications.



Plant Safety: The unit weighs just 2 lbs. and operates on rechargeable Ni-Cd batteries so you can take it right to the problem. It can be operated from either a hand-held or permanently mounted position.



Portable: Comes with carry case, battery charger, probe & hose.

TECHNICAL SPECIFICATIONS

PHYSICAL:

Size: 5.5" x 3.1" x 1.5" and handle
Weight: 2 lbs.
Probe: 10" stainless steel, (5/16" O.D.) with thermocouple and B' black braided latex hose.

Sample Conditioning: condensate trap and disposable filter.
Readout: digital 0.5" high three and one half digit L.C.D.

POWER:

Six AA rechargeable Ni-Cad batteries, 8 hour continuous operation with pump off, 120 V. AC operation using battery charger.

ENVIRONMENTAL:

Humidity: 0% to 95% RH
Max. probe temperature: 1900°F

SENSOR:

Oxygen: Disposable galvanic fuel-cell
Minimum guaranteed life-6 months.
Carbon Monoxide: Electrochemical cell-minimum guaranteed life-1 year.
Temperature: Type K thermocouple.
Also optional CO Airfree measurements.

FUEL SELECTIONS:

Three position switch indicates fuel type selected
• Coal • Oil • Gas



PERFORMANCE SPECIFICATIONS

| PARAMETER | RANGE | RESOLUTION | ACCURACY |
|----------------------------------|--|------------|------------|
| Efficiency (Calc.) | 0-100% | 0.1% | 3% |
| Oxygen | 0-25% | 0.1% | 3% |
| Temp. (Net) | 0-2000°F | 1% | 3% |
| Carbon Dioxide (Calc.) | 0-20% | 0.1% | 3% |
| Carbon Monoxide | 0-2000 PPM | 1 PPM | 5% |
| CO/CO ₂ Ratio (Calc.) | 0-1999 PPM per% | 1 PPM per% | 5 PPM per% |
| Warm-Up Time: | 40 seconds | | |
| Response Time: | Less than 120 sec. for 90% of final reading. | | |



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* Also available:
SO₂, NO, NO₂, H₂S
Analyzers.