

- ❖ Essential equipment for any stove testing center.
- ❖ Intended to be easy to use, requiring little training or specialized skills
- ❖ Easy automated data processing and analysis
- ❖ Laboratory high quality at a low price.
- ❖ Already in use by cookstove networks and Universities in the US, Europe, China, and Honduras
- ❖ Data generated is on par with tests done in a highly-accredited USEPA laboratory.

Please contact us for further information,
pricing and availability

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Aprovecho Research Center Presents

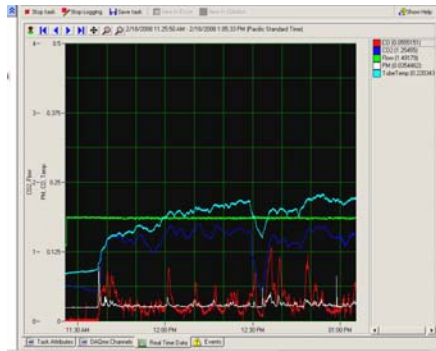
The Portable Emissions Measurement System



(PEMS)

Real-Time on-screen display and logging of:

- Carbon Monoxide
- Carbon Dioxide
- Particulate Matter
- Flow
- Temperature



Automated Data Processing in Microsoft Excel
for the Water Boiling Test (**WBT**)
And Controlled Cooking Test (**CCT**)
Can also be adapted for user-defined tests

Outputs include:

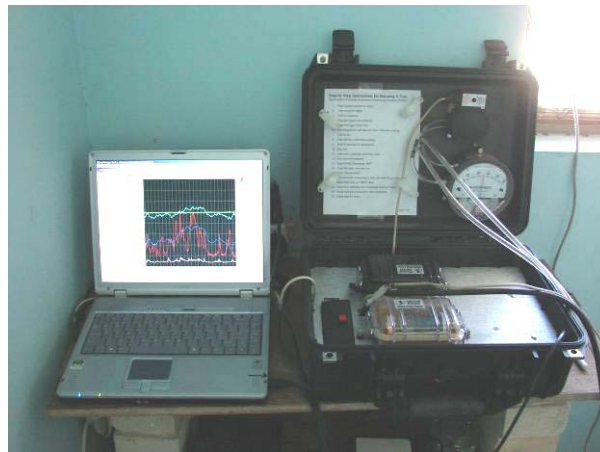
- Total Emissions
- Specific Emissions
- Emission Factors (per kg and MJ)
- Emission/CO2 Ratios

Automatic Carbon Balance for checking results

Specially designed for the flow rates and concentrations seen from household cooking stoves.



Calibration can be done on-site or sensor box can be sent to Aprovecho.



Add-Ons available for:

Tedlar Bag Sampling for Methane Analysis
Filter System for OCEC Particle Analysis

Can also be fitted with optional dilution-cap for measurements from Chimney Stoves

Emissions Collection Structure fits in a large suitcase and can be checked as baggage on airlines.



Specifications:

Runs on 110-220 VAC
Or 12 VDC Car Battery

System Requirements:

A PC with XP or Vista,
Microsoft Excel

Designed and manufactured by:

Nordica MacCarty
Karl Walter
Damon Ogle
Aprovecho Research Center