

MAP™

Multiple Automated Probe (MAP) System

BENEFITS

- Repeatable stack flow measurement
- Automated system allows faster testing
- Keyed for yaw angle reference
- Windows® graphical interface with optional touchscreen
- Automatically generated EDR report for EPA Methods 2, 2F, 2G, 2H (XML or flat file)

VERSATILE

- Test up to 4 ports simultaneously
- Horizontal or vertical traverses
- Rectangular or round ducts
- Single piece or segmented probe measures up to 40' diameter stack



US Patent No 7,624,654
December 2010



Available Probe Sensing Heads:

- S-type Probe (above)
- 3D Probe (inset)



Airflow Sciences

Equipment, LLC

Automated System -- Reliable, Efficient, Accurate

The Multiple Automated Probe (MAP) System measures the flow rate of a gas (air or flue gas) in transport ducts or stacks. Probe positioning units (PPUs) control up to 4 probes simultaneously. The system brings a state-of-the-art solution to the problem of performing flow measurements according to EPA Method 1, 2, 2F, 2G, 2H.

The MAP System Measures

Mass Flow Rate	Static Pressure
Velocity Profile	Total Pressure
Temperature	Atmospheric Pressure
Moisture Content (optional)	

PPU Features

Automated purge system
 Movement:
 8 in/sec transversely
 90 deg/sec rotationally
 Pressurized to avoid stack gas infiltration



PPU standard configuration for stack flow test

PC-Based Software

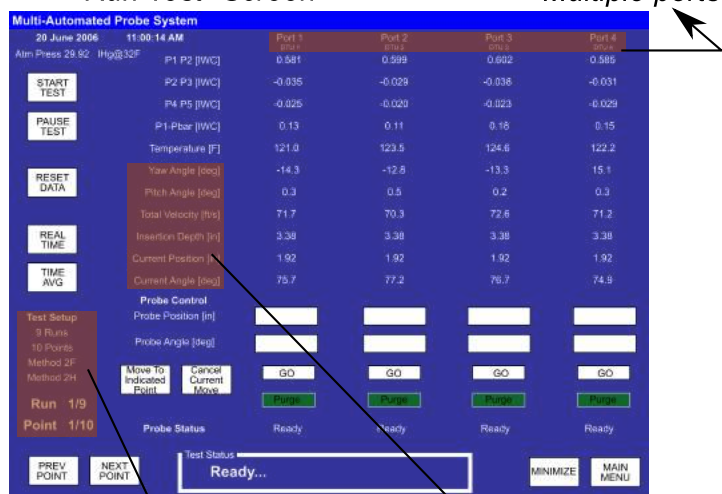
- Windows® graphical interface with optional touchscreen
- Step-by-step test procedure
- Easy setup of test site variables
- Control test sequence for multiple runs
- Automatic data acquisition and reporting

Hardware Includes

- Laptop computer
- Probe positioning units (PPUs)
- Pitot probes with thermocouple
- Communication junction box
- Leak and calibration check system

"Run Test" Screen

Multiple ports



Run and point feedback

Probe angle, velocity, position



MAP System can withstand extreme conditions



Airflow Sciences
 Equipment, LLC

12190 Hubbard Street
 Livonia, MI 48150
 (734) 525-0300
www.airflowsciencesequipment.com