

Mobile Cart Gas Analysis System

A versatile gas analysis tool completely self-contained and ready for use.

Features and Benefits

- || Automated start-up of integrated cart system.
- || Choice of analyzers/ inlet manifolds to suit your application, e.g., atmospheric sampling, vacuum processes.
- || Adaptable cart design accommodates your choice of:
 - vacuum pumping systems,
 - analog/digital inputs and outputs,
 - computer, printer and monitor.
- || Sturdy aluminum frame construction.
- || Storage space for tools, laptop PC, user manual, etc.
- || Convenient access to RGA and inlet manifold.
- || Quick disconnect feature permits easy removal of analyzer from cart for attachment to your vacuum chamber/process tool.

Description

Dycor offers a mobile cart system that can be equipped with any type of Dycor residual gas analyzer (RGA). This compact, sturdy cart can also be configured with your choice of inlet manifolds and vacuum pumping systems.

The cart pictured is equipped with an enclosed ion source/inlet system, inlet manifold heating jacket, Dycor Dymaxion mass spectrometer, and 60 l/s compound turbomolecular pump backed by a 1.4 CFM dry pump.

Applications

- || Chemical Vapor Deposition
- || Fermentation
- || Sputtering
- || Plasma Etching
- || Molecular Beam Epitaxy
- || Cryogenics
- || High Energy Physics
- || Vacuum Furnaces
- || Residual Gas Analysis
- || Evaporation
- || Ion Beam Milling
- || Leak Detection
- || Ion Implantation
- || Thin Film Production



The Dycor Mobile Cart can be configured with your choice of inlet manifolds and vacuum pumping systems.

Inlet and Pumping System Options

M240
Pressure Reduction Inlet Manifold
Includes all-metal, high conductance valve, bypass valve, and aperture of user's choice.

M240EP
Pressure Reduction Inlet Manifold
Includes electropneumatic high conductance inlet valve and an electropneumatic bypass valve with aperture of user's choice. To be used with user's vacuum or process chamber. Requires a pneumatic supply of 70 psig to operate valves.

M250
Capillary Inlet Manifold
Includes all-metal valve and capillary tube.

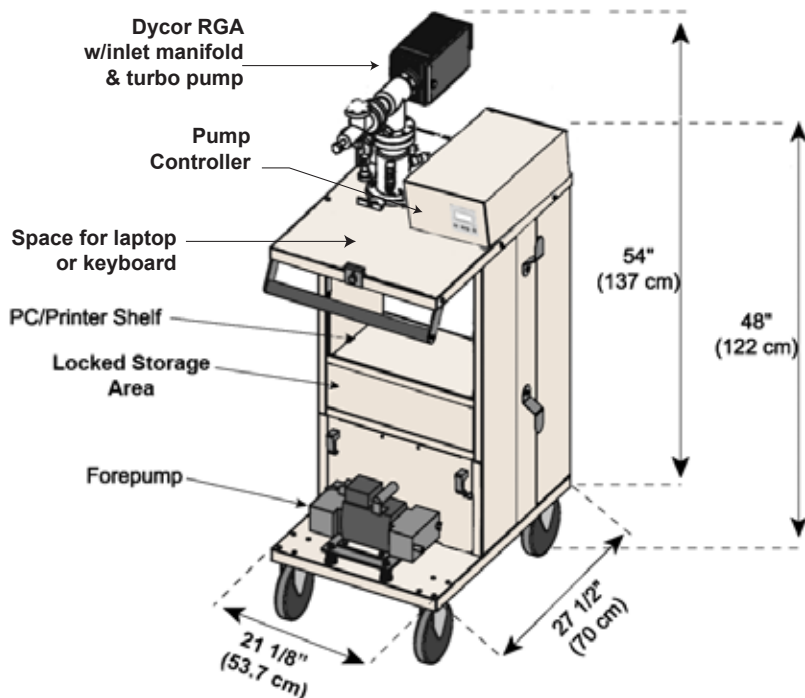
M250EP
Capillary Inlet Manifold
with electropneumatic capillary valve. Requires a pneumatic supply of 70 psig to operate valve.

M260
Aperture Bypass Inlet Manifold
Includes valve, bypass tee and aperture of user's choice.

M260EP
Aperture Bypass Inlet Manifold
with electropneumatic bypass valve and aperture of user's choice.

VPS70
Pumping System
Includes turbomolecular pumping station with 60 l/s compound turbopump and control with 1.4 CFM roughing pump and autovent valve.

VPS70D
Dry Pumping System
Includes wide-range turbomolecular pumping station with 60 l/s compound turbopump and control with 0.42 CFM diaphragm roughing pump and autovent valve. To be used when an oil-free pumping system is needed on user's vacuum or process chamber.



M95 Mobile Cart
Includes complete packaging of the Dycor analyzer, inlet system, and pumping station into one completely integrated package.

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One of a family of innovative process analyzer solutions from AMETEK Process Instruments.
Specifications subject to change without notice.

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