

ANALYZER SOLUTIONS FOR YOUR PROCESS!

Mobile Cart Gas Analysis System

Dycor's mobile cart system is a versatile gas analysis tool that is completely self-contained and ready for one-button start-up.

PRODUCT 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, desktop PC with printer, and 70 l/s compound turbomolecular pump backed by a 1.4 CFM dry pump. An automatic isolation valve can be attached to the forepump to keep the system under vacuum during transport.

KEY FEATURES

- Automated start-up of integrated cart system.
- Choice of analyzers/inlet manifolds to suit your application, e.g., atmospheric sampling, vacuum processes.
- Vacuum constantly maintained. Unit can be moved between sample points without loss of vacuum for quick start-up using optional isolation valve.
- Adaptable cart design accommodates your choice of:
 - vacuum pumping systems,
 - analog/digital inputs and outputs,
 - computer, printer and monitor.
- Sturdy aluminum frame construction.
- Locked storage cabinet 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.

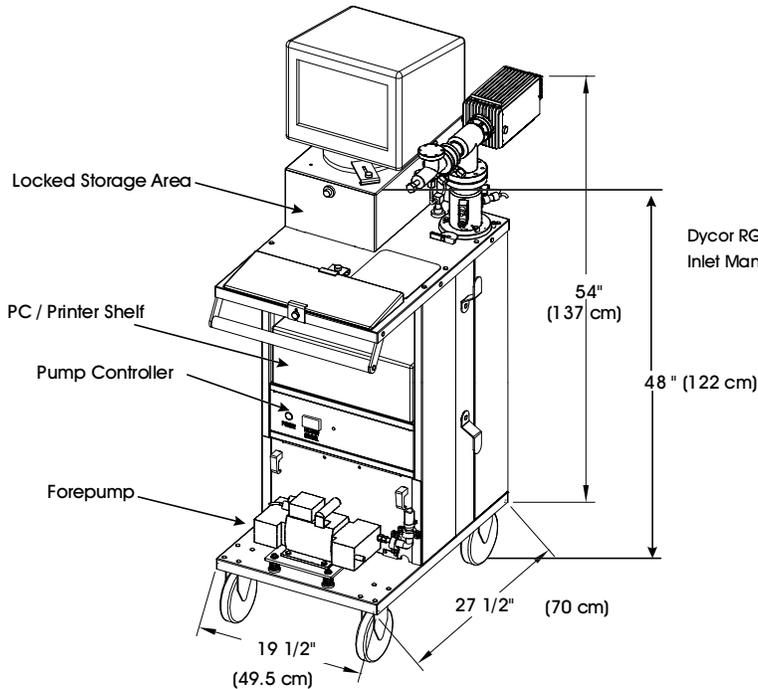


Dycor Mobile Cart System

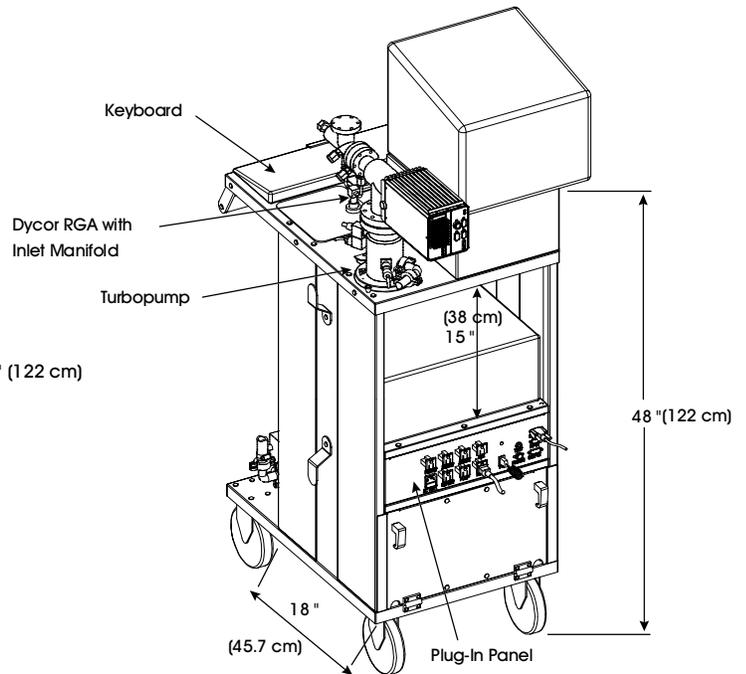
APPLICATIONS

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

FRONT



REAR



M95 Mobile Cart

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

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 operator 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 70 l/s compound turbopump and control with 1.4 CFM roughing pump and autovent valve.

VPS150 Pumping System

Includes turbomolecular pumping station with 150 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 70 l/s compound turbopump and control with 0.42 CFM diaphragm roughing pump and autovent valve. To be used where an oil-free pumping system is needed on user's vacuum or process chamber.

VPS150D Dry Pumping System

Includes wide-range turbomolecular pumping station with 150 l/s compound turbopump and control with 0.42 CFM diaphragm roughing pump and autovent valve. To be used where an oil-free pumping system is needed on user's vacuum or process chamber.