



TECHNICAL NOTE

Mobile Cart for Transpector CPM™ Systems

INTRODUCTION

The INFICON Mobile Cart allows any Transpector CPM Gas Analysis System to become a mobile troubleshooting instrument. The self-contained cart allows the system to be transported from tool to tool with the flexibility to adjust to various tool heights and process connections. Perfect for tight tool spaces, the mechanical arm mechanism allows the sampling system to rotate and move vertically or horizontally.

The Mobile Cart houses the entire system including foreline pump, CPM controller, desktop computer, and a 17-inch flat panel display or 15-inch CRT monitor. With all devices secured to the cart, mobility is easy. A slide out mouse pad and storage compartment makes the system a truly mobile diagnostics instrument.

FACILITIES

The Mobile Cart comes equipped with a power strip to power the computer, monitor, controllers, etc. There are also connections for compressed air, nitrogen, exhaust, and power if the particular system requires it.

MAXIMUM ADJUSTMENTS AND FLEXIBILITY

A scale indicator on the arm support shows the height from the center of the inlet to the floor. The maximum height from the floor to the inlet is 48 inches (121.9 cm) and the minimum height from the floor to the inlet is 36 inches (91.4 cm). This allows the system to accommodate a variety of tool connection heights.

The CPM system mounts on a vacuum system plate that rotates 180°. This vacuum system plate is

mounted at the end of an elbow-like arm. Above the height of the computer, the arm will swing 180°. Below the height of the PC, the arm will swing 90° in the direction away from the PC. This range of motion provides further flexibility for connecting to tools of various heights and configurations.

INSTALLATION

The Mobile Cart is shipped fully assembled, however, the customer is responsible for mounting the computer and CRT monitor or flat panel display and mounting CPM system on the support arm, as well as the system controller. The Mobile Cart operating manual details the installation procedures.

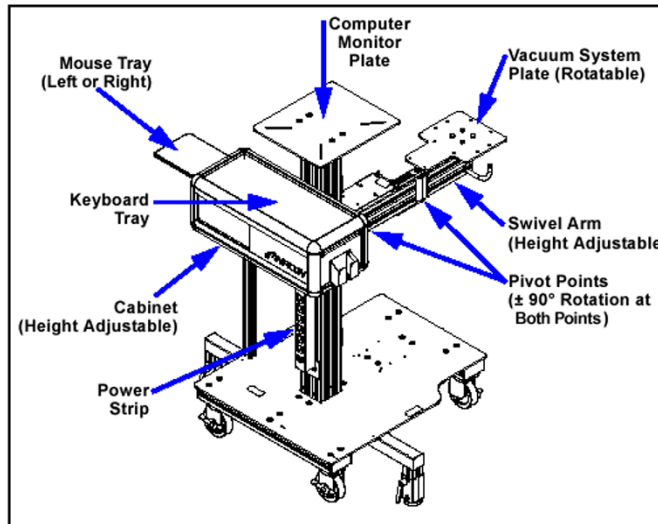
SAFETY PRECAUTIONS

The monitor stand will safely support either a 15-inch CRT monitor or 17-inch flat panel display. Clamps are used to attach the monitor or display to the monitor stand. The swiveling vacuum system plate should be locked into place with the locking pins when moving the cart. Once the cart is properly positioned for operation, the outriggers should be engaged for overall stability and the brakes should be applied to the wheels. All handles should be tightened once the final height and position adjustments are made.

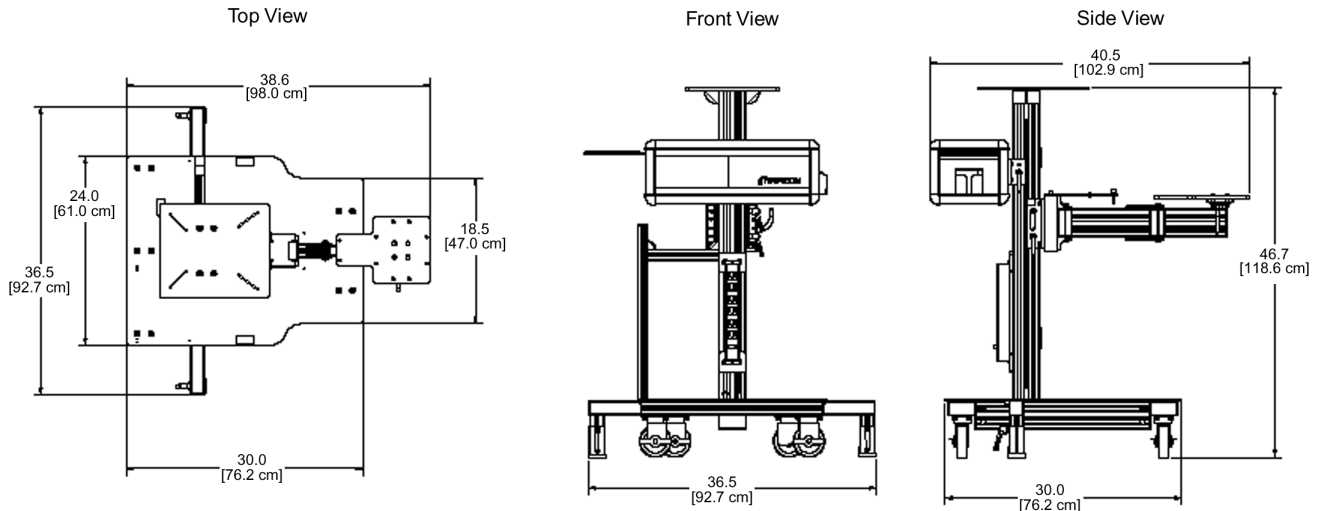
The new Mobile Cart completely packages a Transpector CPM Gas Analysis System into a mobile troubleshooting instrument for conveniently moving from tool to tool. The Mobile Cart further expands the flexibility of these gas analysis systems by adjusting to various tool heights and process connections to perform mobile diagnostics.

	CPM Corrosive Pumps	CPM non-Corrosive Pumps
Power	120 or 230 V(ac)	120 or 230 V(ac)
Valve actuation Air or N ₂	EP 70-110 psig	EP 70-110 psig
Nitrogen purge	15 psig N2	Not Required
Exhaust	Required	Not Required

MOBILE CART FEATURES



MOBILE CART DIMENSIONAL INFORMATION



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Due to our continuing program of product improvements, specifications are subject to change without notice. Transpector is a registered trademark of INFICON GmbH.

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