



Mobile Cart for Transceptor® CPM Systems

SELF-CONTAINED CART FOR MOBILE TROUBLESHOOTING

The INFICON Mobile Cart system allows any Transceptor CPM (Compact Process Monitor) 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 heights. The mechanical arm mechanism permits the sampling system to twist, rotate and move vertically which makes this Mobile Cart perfect for tight production spaces.

The Mobile Cart assembly houses the entire CPM system including foreline pump, CPM controller, desktop computer/monitor or laptop computer. All of the devices are secured to the cart making mobility easy. The Mobile Cart comes equipped with a power strip and connections for compressed air, nitrogen and exhaust for your CPM. With a slide out mouse pad and storage compartment, the Mobile Cart combined with the CPM is truly a mobile diagnostics instrument.

ADVANTAGES OF A MOBILE SAMPLING SYSTEM

In modern economic times, there is a constant desire to streamline and reduce costs across the board. Therefore, the ability to use one RGA instrument to troubleshoot multiple tools can be very advantageous. The Mobile Cart allows for this capability. Instead of installing RGAs on every chamber of a tool, a single CPM can be purchased and mounted on the Mobile Cart which can be wheeled up and attached with bellows to any chamber for sampling. For ultimate flexibility, an atmospheric capillary inlet can be installed in the CPM which will allow the system to be used anywhere in the facility to check for problems.

FEATURES AT A GLANCE

- Flexibility – Can move the Transceptor CPM close to the tool or vacuum system by moving the CPM horizontally and vertically, as well as the ability to rotate the system.
- Small Footprint – The open structure of the Mobile Cart along with its “elbow”-like support arm allows close coupling of the RGA to the tool without taking up valuable floor space.
- Complete System – The Mobile Cart will carry and support the Transceptor CPM System and a desktop or laptop computer. It also has a connection panel for compressed air, nitrogen, exhaust and power for the CPM system.
- Available in 120 and 230 VAC versions

MAXIMUM ADJUSTMENTS AND FLEXIBILITY

A scale indicator on the arm support shows the height from the center of the CPM 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 Mobile Cart system to accommodate a variety of tool connection heights.

The CPM system mounts on a vacuum system plate that rotates 180°. This plate is mounted at the end of an elbow-like arm. Above the height of the computer, the arm will swing 180°, and below that height, the arm will swing 90° away from the PC. This range of motion provides further flexibility for connecting to tools of various heights and configurations.

FACILITIES REQUIRED FOR DIFFERENT CPM CONFIGURATIONS

Depending on the configuration of your CPM, you will require different facilities for proper use of the instrument at each sampling site. It is vital that you ensure easy access to the proper gas, exhaust and power at every location that the CPM will be moved to. See the table to determine what facilities will be required for your CPM.

	CPM with Non-Corrosive Pumping System	CPM with Corrosive Pumping System
Power	120 or 230 VAC	120 or 230 VAC
Valve actuation (Air or N ₂)	EP 70-110 psig	EP 70-110 psig
Nitrogen Purge	Not Required	15 psig N ₂
Exhaust	Not Required	Required

- 1- Stand for TFT (17") or normal CRT monitor (15")
- 2- Keyboard and storage move up and down for height adjustment
- 3- Support arm moves up and down
- 4- Rotates on pivot
- 5- Cables suspended and "cleaned up"
- 6- Pivots like elbow
- 7- Rotatable wheels with brakes

