



## Ultracart 3000A Functions and Capabilities:

- Purity Monitoring
- Control of the Instrument and Gas System
- Data Management
- Report Generation
- Manual Override
- Other Optional Functions and Capabilities

## Specifications

20"W x 32"L x 52"H

120V / 10AMP

Stainless Steel Construction

Sample System:

- 7 Ra Electro-Polished 316L Internal Surface
- Parker Valves
- AP-Tech Regulators
- VCR Face Seals
- Ultra High Purity Fittings
- Valex 401 Spec Tubing
- Use N2 as CDA input for all Pneumatic Valve actuation

## Analytical Instruments on board Ultracart 3000A

- **Delta F Platinum Series Nano Trace Oxygen Analyzer**
  - Nano Trace Output Range is from 0.000-0.020 ppm to 5.000-8.500 ppm (Depend on Percentage of Scale Used)
  - It supports the following Gasses in the GSF Calculation: NH<sub>3</sub>, Ar, 4H<sub>10</sub>, CO, C<sub>2</sub>H<sub>6</sub>, C<sub>2</sub>H<sub>4</sub>, He, C<sub>6</sub>H<sub>14</sub>, H<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>, C<sub>3</sub>H<sub>6</sub>
- **Met One CNC 1104-10 Condensation Nucleus Counter (Particle Counter)**
  - Minimum Threshold Setting @ 50% counting efficiency is 10 nanometers
  - Sample Flow Rate 0.10 cfm (through sensor)
  - Zero Count @ 0.5 particle per cubic foot
  - Sample/Hold Times: 1 Second to 24 Hours
  - Data Storage 500 samples. Rotating buffer
- **Meeca Turbo 2 Moisture Analyzer**
  - Monitoring Range: 0 to 2000 ppb with exceptions for Oxygen (0-1200 ppb) and Hydrogen (0-500 ppb)
  - Operating Temperature range 32 F to 122 F
  - Sample Inlet Pressure 5 to 3000 psig
  - Permeation Tube Life 12 months

For more information contact MDC SemiSystems directly at [sales@mdcsemisystems.com](mailto:sales@mdcsemisystems.com) or 408-350-0244.

## Ultracart 3000A

MDC SemiSystems' Ultracart 3000A is a sophisticated mobile analytical system for simultaneous real-time analysis of particles, oxygen, and moisture contamination in UHP process gases. Through a single connection, the Ultracart's UHP gas systems delivers sample gas to each of its three primary analytical instruments at proper flows and pressures.

