



3ΔFLEX

Surface Characterization

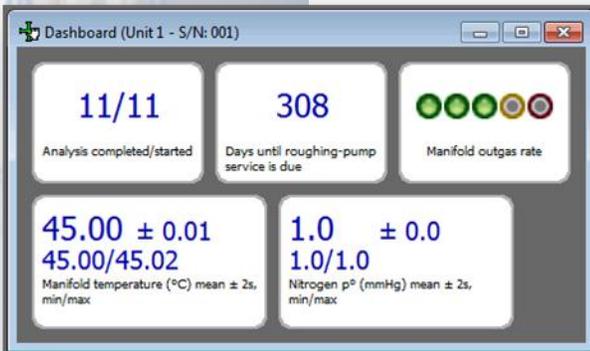


Advancements in Performance and Technology

- Three configurable analysis ports for high throughput – two or three micropore ports to meet current or future needs
- Standard mesopore, micropore, physisorption ready instrument - includes krypton capability for low surface area materials
- Pneumatically actuated, hard seal valves provide ultra-clean, leak-free operation
- Stainless steel gas inlets, VCR fittings, and analysis manifold
- Interactive MicroActive software for data analysis with user defined reporting options
- Small footprint conserves valuable lab space

Designed for Results

The 3Flex was designed with a single focus; to improve your analytical results. Each feature was engineered specifically to eliminate variability, improve gas management, stabilize temperature, increase accuracy and sensitivity, simplify user interaction, and increase sample throughput.



3Flex Features- Innovative Instrument Diagnostics

With a single click, the 3Flex provides a powerful suite of information that allows the user to maintain the instrument in peak operating condition with real-time analysis views.

3Flex Major Design Features	Design Benefit	Results Advantage
316 SS VCR Fittings and pneumatically actuated hard seal valves	Provides virtually leak-free gas management and lowest outgassing rate in the industry	Improving gas management control provides increased accuracy and sensitivity especially when collecting data in the most critical ranges of the isotherm
One instrument with three configurable analysis ports for high throughput mesopore and micropore analyses	Eliminates costly investment in multiple instruments to accommodate varying high throughput needs	Maximize your investment with a single instrument that fully addresses your current sample analysis needs and is expandable for future requirements
Stainless steel gas inlets, manifold, valving, and gaskets	Highly pure and chemically resistive surfaces provide non-contaminating analytical environment	Eliminates interference from contaminants and outgassing associated with elastomer seals and o-rings. Highly resistive surfaces permit greater selection of adsorptive gasses and vapors to be explored
Dashboard continuously monitors critical system component performance and key maintenance scheduling	Maximizes instrument uptime by allowing the user to have instant access to performance indicators and alerts the user when routine maintenance is needed	Increases confidence in analytical results by providing one-click confirmation of system performance. Maximizes uptime by assuring that the user will never miss the recommended maintenance schedule
Minimum instrument footprint	Three configurable sample ports; improved sensitivity, accuracy, and repeatability; and six gas inlets in one of the smallest footprints in the industry	Maximum performance and reliability from a high performance instrument that conserves critical bench space. No extra height for safety shields