

Autosorb[®]-1-C

Chemisorption - Physisorption Analyzer

The Autosorb-1-C, one of the Autosorb-1 Series, is capable of these functions:

- Surface area analysis
- Mesopore size distribution
- Standard micropore methods
- Advanced low pressure micropore analysis
- Kinetic studies
- Chemisorption methods
- Five (5) pressure transducers
- Very low surface area analysis with krypton
- Sample preparation by high vacuum
- Built-in 5-gas chemisorption system
- Sample preparation/activation by gas flow

AS1Win Version 1.5 A new 32-bit version of the Autosorb-1 software, is fully compatible with Windows[®] XP and 2000.



The Autosorb-1-C offers total precise, chemisorption/ physisorption measurements.

- Unattended chemisorption measurement with automatic transfer from sample preparation to analysis and with small bench-space requirements. Automatic repeat measurement of isotherm following evacuation provides complete weak and strong chemisorption data without operator intervention.
- Sample preparation with flow, vacuum or static conditions under programmable heating rates at temperatures up to 1,100°C. PC programmable temperature controller with auto-tuning functions offers limitless number of preparation routines with guaranteed temperature accuracy.
- Applications include characterization of metal dispersion of reforming catalysts, acid site distribution of polymerization catalysts, crystallite size of hydrogenation catalysts, heats of adsorption and much more.
- Compatible with broad range of gases and vapors including hydrogen, carbon monoxide, ammonia and cyclohexane.