



Specific surface area & pore size Distribution Measurement

Overview

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This instrument is our high-end volumetric gas adsorption instrument.

To obtain useful information about micropore, it is important to measure adsorption isotherm from low relative pressure with accuracy.

The BELSORP-max is designed for wide range adsorption isotherm for surface area and pore size distribution analysis. It can measure adsorption isotherms from relative pressure as low as 1×10^{-8} (N₂ at 77K, Ar at 87K), using a 13.3Pa pressure transducer.

Also AFMS, the new method for free space measurement, is applied and adsorption isotherm can be measured with high accuracy. Chemisorption option enables unattended chemisorption measurement from pretreatment with step programs.



BEL SORP– Max

دستگاه جدید اندازه گیری سطح ویژه کمپانی BEL ژاپن با توانایی ها بالا و فوق العاده خود امکانات بسیار جالب تری از قبل را در اختیارتان می گذارد

Features



Specific surface area, pore size distribution, vapor adsorption and chemisorption (OP) can be measured.

Adsorption measurement from extremely low pressure ($p/p_0=10^{-8}$ – 0.997)

Up to 3 samples can be measured simultaneously.



Fully automated chemisorption option is available.

Kr adsorption is available for low surface area material.

Coolant level controller is no longer necessary and high reproducible data can be obtained (AFSM).

BELSim, which analyze the pore size distribution by NLDFT and GCMC simulation method can be incorporated into the powerful data analysis software, BELMaster.

ISO 9277 and JIS Z 8830 compliant

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