

New Product Information

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Release Date: Immediate

The XEMIS microbalance – opening up new possibilities in sorption analysis

Hidden Isochema is proud to announce the launch of the XEMIS, a new high accuracy sorption microbalance for precision weighing in extreme environments.

The XEMIS allows the analysis of gas and vapor sorption by materials at pressures as high as 200 bar and at temperatures between 77 K and 500 °C. It can also handle aggressive species. This combination of conditions was not previously achievable with commercial gravimetric sorption analyzers.

Featuring Hidden Isochema's new exosensing technology, the unique design of the XEMIS removes the sensing and control mechanisms from the microbalance chamber and so out of the wetted zone. This allows sorption analysis with hazardous and aggressive species without compromising measurement accuracy or resolution.

Furthermore, unparalleled weight measurement stability is provided by the symmetric geometry beam balance design. The intrinsic long term stability of the XEMIS, with no need to re-zero or re-calibrate the balance, thus ensures the capture of true sorption behaviour and provides the ability to record full kinetic data over extended timescales. It also allows microgram resolution weight measurement for milligram to gram sample sizes and can thus offer high accuracy sorption measurements on the range of sample sizes required by today's researchers.

The combination of these features makes the XEMIS a remarkably flexible instrument that can satisfy the tough demands of scientists and engineers in a diverse range of fields including environmental science, energy storage, and separation and purification technology.

Hidden Isochema is recognised as an established leader in sorption instrumentation with over 20 years' experience in gravimetric sorption analyzer design and development.

For further information on this or any other Hidden Isochema product contact Hidden Isochema at info@hiddenisochema.com or visit www.hiddenisochema.com

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