

MPMS – Magnetism Workcenter From Quantum Design

“Nothing compares with SQUID sensors for high-sensitivity magnetic measurements. We have integrated this technology into a system that makes it even easier to use.”



George Bollendorf
QD Design Engineer

The fundamental study of magnetism is finding an ever-expanding role in the analysis and characterization of materials. From research applications in physics and chemistry, to geology and biology, to the development of the engineering materials of the future, Quantum Design's MPMS (Magnetic Property Measurement System) family sets the performance and reliability standard for these exacting investigations.

Highest Sensitivity

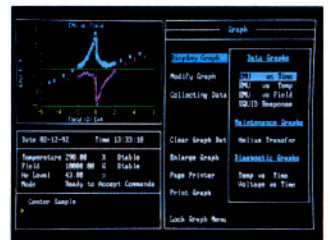
MPMS sample magnetometers employ SQUID (Superconducting QUantum Interference Device) technology, combined with patented enhancements, to achieve superior measurement sensitivity, dynamic range, and reproducibility otherwise unattainable.

Flexible Operation

The MPMS is designed to fulfill the workcenter concept. It incorporates all the hardware and software needed for precise magnetic measurements in a fully integrated, modular system. For those favoring ease-of-use and short learning curves, windowing menus and color graphics simplify operation. For those requiring deeper involvement, a full suite of software tools allows customization of virtually every instrument parameter. This flexibility allows the user to decide what level of control the system will have running a particular experiment.

Application Versatility

In a multiple-user environment, the MPMS's modular hardware and powerful software permit configuring the system quickly to each user's specific needs, and easily reconfiguring it for the next user. Thus, instead of the space and cost overhead of multiple instruments, a single MPMS can handle a full range of investigations including DC magnetization, AC susceptibility, Hall Effect, resistivity and more.



“Best of all, the MPMS puts you in control. No matter how complex your experiments may be, we can tailor it to your exact needs—which also gives you a lot of flexibility in the future.”

