

Multi-purpose X-ray diffractometer platform with versatile SAXS/WAXS options

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A multi-purpose laboratory X-ray diffractometer was configured for advanced small angle X-ray scattering (SAXS) and wide angle X-ray scattering (WAXS) measurements. The modular concept of the instrument incorporates pre-aligned optical components and sample stages and thus allows for a quick and easy reconfiguration for a wide variety of applications.

The high-end, user-friendly SAXS/WAXS setup is compact and includes an evacuated beam path. It enables measurements in an angular range of $0.08 - 78^\circ 2\theta$ and is also suitable for weakly scattering, dilute samples. Basic 2-dimensional (2D) SAXS experiments can also be undertaken.

The EasySAXS software offers a user-friendly, comprehensive toolbox for data analysis.