

Technical Data - SAXSpoint 2.0

Technical Specifications	
X-ray source	Primux 100 micro microfocus X-ray source (Cu, Mo) Optional dual (Cu and Mo) microfocus X-ray source High-performance Ga MetalJet source
X-ray optics and collimation	Custom-designed ASTIX optics (fully evacuated) Automated scatterless beam collimation (fully evacuated)
Sample stages/ Autosamplers	TCStage temperature-controlled stages GISAXS stage with heating option Tensile Stage with heating/cooling option Humidity Stage Temperature-controlled autosamplers for multiple solid and liquid samples ASX autosampler for up to 192 liquid samples Customized stages on request
Special features	TrueFocus: self-alignment with X-ray beam TrueSWAXS: simultaneous SWAXS studies up to $60^\circ 2\theta$ StageMaster: YZ stage with auto-recognition of sample stages Movable detector option High-resolution WAXS module option USAXS option
Temperature range Atmosphere	- 150 °C ... +600 °C, ± 0.1 °C Vacuum, air, inert gas, humidity(reactive gases on request)

Technical Data - SAXSpoint 2.0

Technical Specifications	
Sample holders	Quartz capillary for liquids Low-parasitics SiN cell Sample holder for solids PasteCell for viscous and powder samples RotorCell for sample spinning High-pressure cells μ -Cell for small sample volumes FlowCell/TubeCell for automation Osmotic cell Customized solutions on request
Measurement time	<1 minute to 30 minutes (typical)
Detectors	2D EIGER R series Hybrid Photon Counting (HPC) detectors High-resolution WAXS module (EIGER2 R series)
Accessibleq-range	0.02 nm^{-1} to 40.7 nm^{-1} $310 \text{ nm} > d > 0.15 \text{ nm}$
Software	SAXSdrive™ measurement and acquisition software SAXSanalysis™ data processing and analysis software Advanced data interpretation software (PCG)
Dimensions (footprint)	2.7 m x 0.9 m (Microsource version, L x W) 3.6 m x 0.9 m (MetalJet version, L x W)