

Instecs INS1506086 was designed as a compact heating stage for use in an small angle X-ray scattering (SAXS) apparatus. The circular sample area holds a puck in place with a spring loaded cover while the stage is mounted vertically. Vertical mounting adapters are available for integration into systems with a range of configurations. The 22 mm diameter sample area and the 2 mm aperture can both be customized to fit a variety of sample sizes and beam widths. Shown at right with kapton windows, this stage can also be equipped with a range of other window materials including quartz and IR transparent options.



Features

- Precision heating from ambient to 350°C
- Compact design for integrating in spectroscopic apparatus
- Circular sample chamber accommodates cylindrical samples
- Spring loaded cover holds samples in place for vertical mounting
- Vertical mounting adapters available
- Removable and interchangeable windows
- Specialty window materials available

Technical Specifications

Temperature Range	Ambient to 350°C
Temperature Resolution	0.01°C
Temperature Stability	±0.05°C at 100°C
Minimum Heating and Cooling Rate	±0.1°C per hour
Maximum Heating Rate	+100°C per minute at 100°C
Temperature Control Method	Switching PID
Temperature Control Sensor	100 Ω Platinum RTD
Sample Area	Φ 22 mm
Minimum Objective Working Distance	12.6 mm
Minimum Condenser Working Distance	12.6 mm
Sample Viewing Aperture	2 mm for transmitted light

*Sample Area and Sample Viewing Aperture are customizable. Contact your Instec representative with your requirements.

Ordering Information

Part Number	Description
INS1506086-mK2000	INS1506086 small format hot stage with mK2000, 115V/230V, software included

Please refer to Accessories section for mK2000 temperature controller options, cooling accessories, mounting adapters, and microscope accessories.

Physical Dimensions and Mechanical Drawings

