

Linkam CSS450 Shear Cell - Specifications

CSS450 Specifications

- Temperature range ambient to 450°C (-50 to 450°C on Cryo CSS450)
- Computer control using Linksys 32
- Sample area 30mm Ø
- Micro-stepped stepper motor allows 25,000 steps per rev.
- Gap setting between 5 and 2500 µm
- Three modes of operation: oscillatory, step & steady
- 100 Ohm platinum resistor. 1/10th din
- Removable lid for easy sample loading & cleaning
- Fixes to most microscopes using stage clamps
- Temperature rates of between 0.01°C to 30°C/min
- Silver heating blocks for high thermal conductivity
- Observation radius 7.5mm Ø, viewing area 2.5mm Ø
- Sample mounted on quartz window
- Temperature stability +/-0.2°C
- Designed for use with the Linksys 32 AV and DV video capture system
- Velocity, amplitude & frequency easily changed during run
- Data can be saved to spreadsheet
- Changeable speed of gap setting
- Suitable for phase contrast, transmitted and polarized light
- Objective lens minimum working distance 7.4mm
- Condenser lens minimum working distance 15mm