

Micro Heating Cooling Stage

The Micro Heating Cooling Stage is a compact, waterless(!) Peltier heating and cooling system that can be added to any SEM.

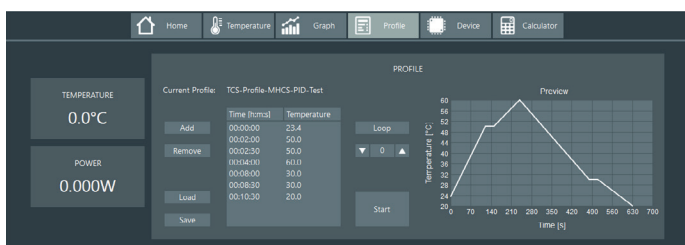


This compact device is mounted to your SEM's stage using the usual dovetail or a specialized mount, depending on the microscope in question. The only additional piece of hardware that is required is a vacuum feedthrough.

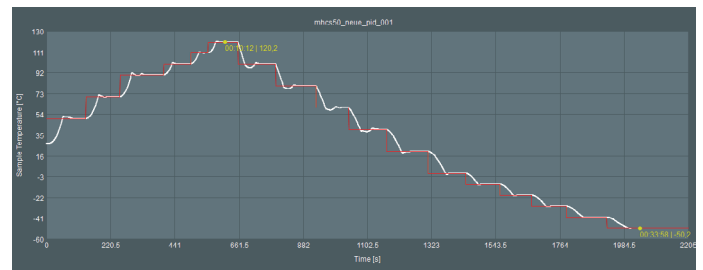
Installing the cooling stage is the same as inserting any other sample holder into your microscope.

Samples are mounted to the cooling stage using the standard pin stubs common in electron microscopy.

The included temperature controller with accompanying software provides intuitive control of the temperature setpoint. It also allows driving custom temperature profiles while recording the set point, power consumption, and actual tempera-



ture. This data is displayed in graphical format and the graph as well as the raw data can be exported for future reference.



Specifications

- min. temperature -60°C
- max. temperature 125°C
- Temperature stability : 0.01°C
- Diameter: 140 mm (incl. mounting plate)
- Height: 21 mm (w/o dovetail)
- Vibration free (no water cooling required)WW

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