



# SPECTROLAB

Spectrolab Systems

## MICROSCOPE HEATING STAGES



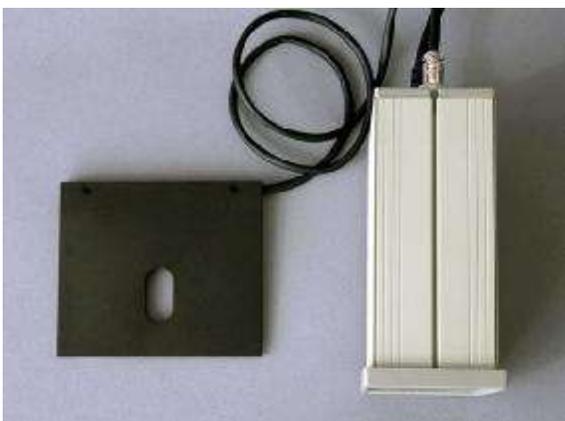
Heating Stage with Max 50° C

Model: HS-50

This is a microscope stage temperature control system that ensures accurate, stable thermal control of live biological specimens. Ideal for checking bio motility, it is sized specifically for the specimen stage thermal needs and is adaptable to all brands of biological compound and stereo microscopes.

### Features:

- Easy installation for any standard microscope stage
- Two LED digital displays and two touch pad buttons on temperature controller.
- Power input: 110V/60HZ or 220V/50HZ, AC
- Power output: 50W
- Temperature control range: 20° C to 50° C
- Temperature setting increments: 1° C
- Temperature display divisions: 0.1° C
- Various between setting and displaying temperature: less than +/-1° C
- Dimensions of stage warmer plate:  
150mm x 130mm x 5.8mm
- Dimensions of control unit: 187mm x 161mm x 75mm
- Instruction manual.
- Weight: 3KGs



## BIOLOGICAL SPERM MICROSCOPE HEATING STAGE



**Sperm microscope melting point heating stage  
with Max 70° C**

**Model: HS-70**

Unique “fuzzy” logic PID control technology, with solid-state electronic technology. The high-power DC controller operates with no external radiation for optimum performance. Temperature is shown by way of a digital display providing a high-precision, high reliability, automatic temperature controlled instrument. The heating element uses platinum and rhodium wire for long life, packaged with a ceramic type base for optimum performance.

### **Features:**

- Easy installation for any standard microscope stage
- LED digital displays and two touch pad buttons
- Power input: 110V/60HZ or 220V/50HZ, AC
- Output voltage: 24V, Power: 20W
- Temperature setting: digital display, preset (through the panel conversion)
- Temperature control range: room temperature to 70° C

## MICROSCOPE HEATING STAGE



Heating Stage with Max 280° C

Model: HS-280

The HS-280 microscope temperature controller provides digital temperature control with “fuzzy” logic and, P,I,D control technology. Employs solid state electronics and over zero non-contact high-power temperature control for very high-precision, high reliability and automatic operation with digital display system. Working stage operates with high safety low voltage, thermal energy power.

### Features:

- Easy installation for any standard microscope stage
- Power input: 110V/60HZ or 220V/50HZ, AC
- Temperature control range: room temperature to 280° C
- Measurement accuracy: the full range  $\leq \pm 0.5$  ° C
- Dimensions of control unit: 250mm x 200mm x 80mm
- Instruction manual.
- Weight: 5KGs

We also offer a complete range of hot and cold stages, easy to use image analysis options and every type of microscope

### Contact:

## Spectrolab Systems

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## MICROSCOPE HEATING STAGE



Heating Stage with Max 400° C

**Model: HS-400**

The instrument has been designed and developed for materials science, biochemistry, metallurgy, organic chemistry, polymer and nanomaterials science. When used with a microscope, you can record melting point, sublimation, state of crystallization processes. Designed for easy use, plus a high degree of automation for simple operation, with state-of-the-art technology, outstanding performance, innovative and reliable design.



### Features

- Easy installation for any standard microscope stage
- Power input: 110V/60HZ or 220V/50HZ, AC
- Hot stage heating power: DC 24V 1.5A
- Power consumption: 75W
- Thermal maximum loading weight: 200 g
- **Temperature control range: room temperature to 400° C**
- Maximum temperature of the hot stage: 400 °C; ≤ 70 °C at 25 °C
- Maximum heating rate (the MAX bit):  
Room temperature - 100 °C ≤ 40 seconds
- Slowest heating rate:  
36 seconds /°C up to 400 °C for 4 hours
- Can set the heating rate range: MAX - 36 seconds / °C
- Accuracy: full range ≤ ± 0.5%
- Precision: ± 1 °C
- Instant thermostat response time: ≤ 0.01 seconds
- Working mode: continuous
- Table Dimensions: φ110mm, thickness: 12mm
- Bench face dimensions: φ30mm.
- Dimensions of control unit: 360mm x 215mm x 365mm
- Instruction manual.
- Weight: 7.6KGs