

HEATING AND COOLING STAGES

HCS60-STC200 HOT AND COLD STAGE FOR INVERTED MICROSCOPES

Features:

- Suitable For 35mm Petri Dishes
- Fast Heating And Cooling Rate
- Programmable Precision Temperature Control From 5 °C To 60 °C
- Optional IEEE488 Communication Port
- Optional RS232 Communication Port
- Large Viewing Window
- Free Labview Driver For IEEE488
- Windows 95/98/2000 Based Software For RS232



Description

The HCS60-STC200, utilizing Peltier coolers for both heating and cooling of the stage, is the ideal choice of temperature-controlled environment for inverted microscopes to accommodate 35mm Petri dishes.

Optional lid is provided for precision temperature control, gas purge, and atmosphere control.

The HCS60 is controlled by STC200 auto-tune stand-alone temperature controller. Optional wider temperature range is available.

The HCS60 stage can also be mounted vertically for applications requiring horizontal beam access to the sample chamber.

Applications

Flexible design and easy-to-use features make hot stage systems ideal for use in:

- Cell Culture
- Biology
- Thermal Microscopy For Inverted Microscopes

Technical Specification

Temperature Control Sensor	Platinum RTD
Control Method	PID with variable bipolar DC control
Temperature Range	5°C to 60°C
Temperature Precision	±0.1°C at 37°C
Temperature Stability	±0.1°C at 37°C
Minimum Heating and Cooling Rate	±0.1°C/Hour
Maximum Heating Rate	+50°C/Min. at 37°C
Maximum Cooling Rate	-50°C/Min. at 37°C
Minimum Working Distance	0.0 mm
Sample Area	35mm diameter
Sample View Aperture	15 mm in diameter



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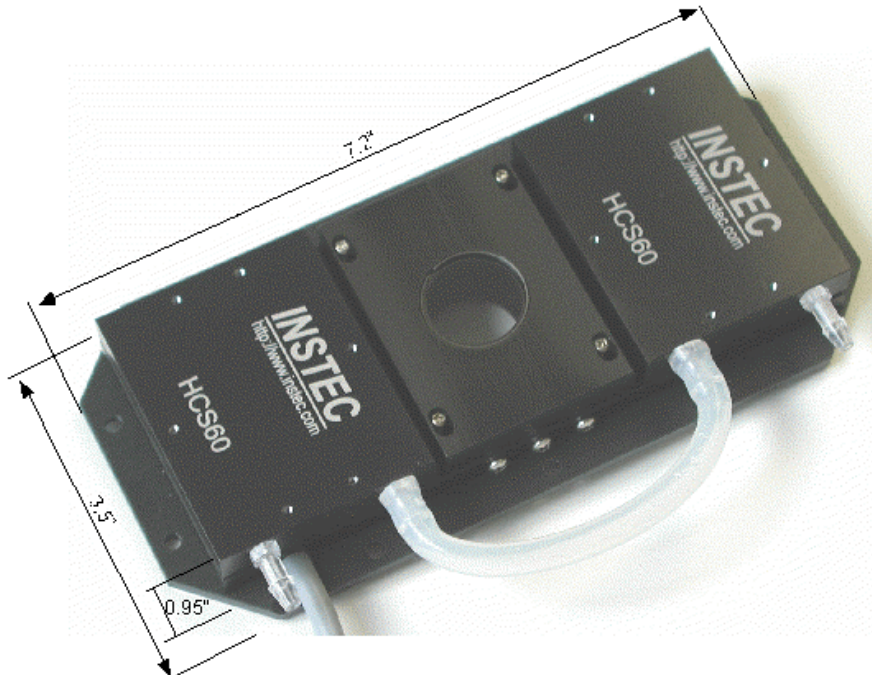
Dorpenweg 27 5371 KS Deursen. The Netherlands.

Tel +(31).486.46.3688 Fax +(31).486.41.4514, www.micro-optik.com email info@micro-optik.com

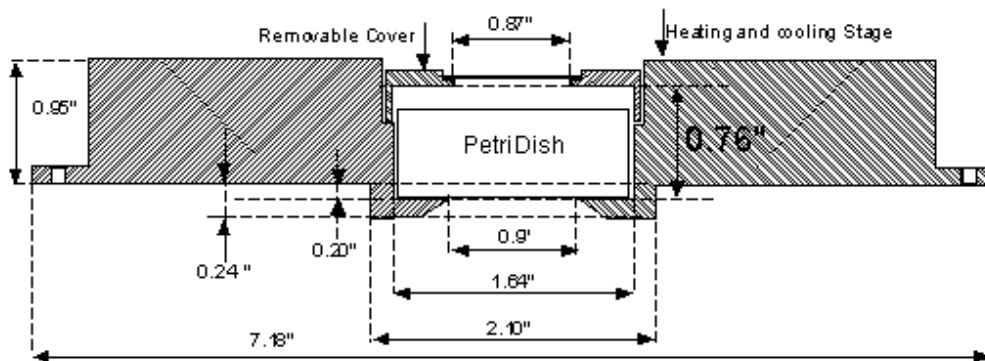
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Physical Dimensions



Cross Section View



Ordering information

Part Number	Description
HCS60-STC20A	HCS60 thermal microscope stage for inverted microscope with one STC200 controller configured for this stage. The system includes RS232, one WP115V, and one chamber lid. Input voltage is 115V.
HCS60-STC20U	HCS60 thermal microscope stage for inverted microscope with one STC200 controller configured for this stage. The system includes RS232, one WP230V, and one chamber lid. Input voltage is 220V.
IEEE-STC200	The IEEE488 port for STC200 with sample LabView driver



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