

HCP601, HCP602 Hot and Cold Plate

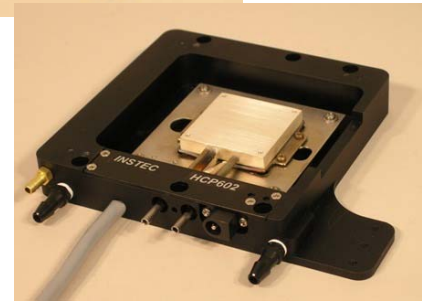
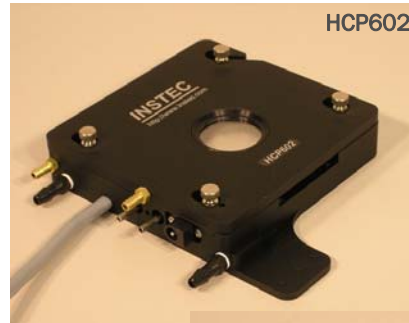
INSTECH® FOCUS ON EXCELLENCE



#HCP601-60417

Features

- High Temperature Range Hot and Cold Plate System Capable of Programmable Precision Temperature Control From -190°C to 600°C with 0.1°C Temperature Precision
- Optional Higher Temperature Limit Up To 700°C
- Closed Sample Chamber for Gas Purge
- Fast Heating And Cooling Rate
- Configured with STC200 Standalone Temperature Controller with RS232 Communication Port and Windows Based Software
- Optional IEEE488 Communication Port
- Free LabVIEW Drivers for IEEE488 and RS232



Technical Specifications

Temperature Control Sensor	Platinum RTD
Temperature Range	-190°C to 600°C (700°C optional) Below ambient operation requires optional cooling accessory
Temperature Precision	0.1°C
Temperature Stability	$\pm 0.2^{\circ}\text{C}$ at 100°C
Heating/Cooling Rate	$\pm 300^{\circ}\text{C}/\text{Min}$ at 200°C
Minimum Working Distance	6.5 mm (shorter working distance optional)
Sample Chamber	Gas purge
Sample Area	HCP601: 20mm X 20mm (0.8" X 0.8") HCP602: 38mm X 38mm (1.5" X 1.5")
Sample View Window (Reflected light)	25 mm diameter

Ordering Information

Part Number	Description
HCP601-STC20A	HCP601 Hot and Cold Plate configured with the STC200 Standalone Temperature Controller. RS232 Communication Port. WinTemp software. 115V Input voltage.
HCP601-STC20U	HCP601 Hot and Cold Plate configured with the STC200 Standalone Temperature Controller. RS232 Communication Port. WinTemp software. 230V Input voltage.
HCP602-STC20A	HCP602 Hot and Cold Plate configured with the STC200 Standalone Temperature Controller. RS232 Communication Port. WinTemp software. 115V Input voltage.
HCP602-STC20U	HCP602 Hot and Cold Plate configured with the STC200 Standalone Temperature Controller. RS232 Communication Port. WinTemp software. 230V Input voltage.
HCP601+700C	Optional higher temperature limit to 700°C
SP06-HCP601	1.5 mm spacer to increase sample chamber height
SP12-HCP601	3 mm spacer to increase sample chamber height

Accessories

Optional Parts for STC200	Please refer to the STC200 Temperature Controller brochure for add-on STC200 controller optional parts (e.g. IEEE-STC200: IEEE 488 communication port).
LN2-SYS	Liquid Nitrogen Cooling Accessory. Please refer to the LN2-SYS brochure for selections of liquid nitrogen cooling accessories.
WP115C/WP230C	115V or 230V circulation water pump for sample chamber cooling to below ambient temperatures (as low as 5°C).
WP115V/WP230V	115V or 230V circulation water pump for frame cooling.

www.instec.com e-mail: sales@instec.com tel: +1 303-444-4608 fax: +1 303-444-4607

Instec, Inc. 5589 Arapahoe Avenue #208 Boulder Colorado 80303 USA

Contact Instec today for further product information. Inquires for a hot and cold stage, a hot and cold chuck, a hot and cold plate, and/or the liquid crystal testing products customized to your special requirements are also welcome. Above information is subject to changes without notice.