

## Jeio Tech Heating and Cooling Block (CCB-350)

**Product Code:** AAHJ5015K

**Brand:** Jeio Tech

Jeio Tech's Heating and Cooling Block (CCB-350) features an outstanding temperature compensation function for precise temperature control. It provides rapid cooling and heating in centrifuge tubes, sample vials, micro tubes within its broad temperature range.

With the main body's tight coupling design and the corrosion-resistant anodized aluminium blocks, optimal heat transfer can be produced.

The body is manufactured from highly chemical resistant polypropylene, making it very easy to clean and maintain.



## Features:

### Performance:

- Wide temperature control range from amb. -20 to 95°C with rapid cool down and heat-up times.
- Precision accuracy of  $\pm 0.1^\circ\text{C}$  is ensured by PID controller.
- Temperature calibration.
- Memory function of programmes allowing relevant parameters. Up to 10 programmes allowed for memory storage. Up to 10 steps allowed for each programme.
- Optimal heat transfer is achieved by the tight coupling design of the main body and the corrosion-resistant anodized aluminium blocks.
- Cooling is controlled by peltier elements for an energy efficient compact design.

### Convenience:

- Bright VFD display with responsive touch buttons.
- Advanced dual wait on/off timer modes. User can set timer to start immediately after the timer setting or only after reaching the set temperature.
- Transparent lid allows easy sample monitoring and even temperature distribution.
- Blocks can be easily interchanged by the included block filter.

### Safety:

- Self-diagnostic function identifying errors.
- Over-temperature and over-current protection.
- Its polypropylene main body is highly chemical-resistant and easy-to-clean.

## Specifications:

<b>Control System</b>		Feedback control PID
<b>Display</b>		VFD (0.1°C resolution)
<b>Temperature</b>	<b>Range (°C)</b>	Amb. -20 to 95
	<b>Fluctuation at 37°C</b>	$\pm 0.1$
	<b>Variation at 37°C</b>	$\pm 0.5$
<b>Safety</b>	<b>Over Temp.</b>	Heating Plate
	<b>Over Current</b>	PCB
<b>Dimensions (w x d x h)</b>	<b>Internal (mm)</b>	99 x 77.5 x 36
	<b>External (mm)</b>	249 x 330 x 168
	<b>Net Weight (kg)</b>	5
<b>Electrical Requirements (230V, 50/60Hz)</b>		2A

Unit 3, Tower Business Park  
Warpsgrove Lane  
Chalgrove  
Oxfordshire  
OX44 7XZ

Tel: (+44) 01865 400321

Email: [enquiries@medlinescientific.com](mailto:enquiries@medlinescientific.com)

Website: [www.medlinescientific.com](http://www.medlinescientific.com)