

## Cole-Parmer® Digital Block Heaters BH-250D Series

- Digital models enable highly accurate temperature precision
- Fast heat-up rate: 25°C to 100°C in 7-9 minutes, depending on the model chosen
- Advanced temperature control. Temperature stability at 37°C ± 0.1°C
- Temperature range from from ambient +5°C to 100°C or 200°C, depending on the model chosen
- Choice of models with 2, 3 or 4 interchangeable blocks
- Versatile range of interchangeable heating blocks to fit all popular sample tubes and plates



BH-250D-2 Digital Block Heater



BH-250D-4 Digital Block Heater

# Cole-Parmer® Digital Heating Block Heaters - BH-250 Series



BH-250D-2 Digital Block Heater



BH-250D-2TC Digital Block Heater



BH-250D-3 Digital Block Heater



BH-250D-4 Digital Block Heater



BH-250D-2-HT Digital Block Heater



BH-250D-3-HT Digital Block Heater

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## Electrical Safety

The Heating Block range has been designed to comply with all RF interference and electrical safety regulations and are CE marked.

## Warranty

Cole-Parmer® Heating Block have earned a strong reputation for reliability. All instruments are manufactured in the UK and supplied with a 3 year warranty. The anodised aluminium Heating Block inserts are supplied with a 1 year warranty.

## Applications

Applications include incubation, boiling, inactivation, wet washing, sample concentration, enzyme digestions, enzyme activity studies, nucleic acid hybridisations and many other clinical and industrial purposes. Larger three and four-block models are available for high throughput applications such as Chemical Oxygen Demand. The innovative Cole-Parmer® range also includes a twin control unit, accommodating two blocks with independent digital temperature controls. Each block can be set to different temperatures - ideal for multiple users or for applications where samples have to be transferred between two temperatures very quickly.

## Countdown Timer

Each digital unit features a countdown timer, which can be adjusted to time your experiment from anywhere between 1 minute and 100 hours, in 1 minute increments. To set the timer, press and hold the timer button and press the up or down buttons. Each press of the up or down buttons will increase or decrease the set time by 1 minute. If the buttons are held down, the time change will accelerate to 200 min per second. Release the timer button to activate the timer. An audible beep will indicate the timer is active. When the count-down has completed, an audible beep will be heard and the display will alternate between END and current temperature. Press the set/reset button to cancel the beeper. The unit will cool to ambient once the count-down time has completed. To cancel the timer, press and hold the set/reset button until STOP appears and an audible beep is heard.



## Technical Specification

Specification	BH-250D-2	BH-250D-2TC	BH-250D-3	BH-250D-4	BH-250D-2-HT	BH-250D-3-HT - BH-250D-3-HT-RS
Blocks	2	2	3	4	2	3
Display	5 character LED	5 character LED	5 character LED	5 character LED	5 character LED	5 character LED
Working range	Ambient +5°C to 100°C	Ambient +5°C to 100°C	Ambient +5°C to 100°C	Ambient +5°C to 100°C	From Ambient +5°C to 200°C	From Ambient +5°C to 200°C
Minimum set temperature	0°C	0°C	0°C	0°C	0°C	0°C
Resolution	0.1°C	0.1°C	0.1°C	0.1°C	0.1°C	0.1°C
Accuracy (37°C)	< ±1°C	< ±1°C	< ±1°C	< ±1°C	< ±1°C	< ±1°C
Accuracy (100°C)	< ±1°C	< ±1°C	< ±1°C	< ±1°C	< ±1°C	< ±1°C
Stability (37°C)	< ±1°C	< ±1°C	< ±1°C	< ±1°C	< ±1°C	< ±1°C
Stability (100°C)	< ±0.15°C	< ±0.15°C	< ±0.15°C	< ±0.15°C	< ±0.15°C	< ±0.15°C
Max variation within block (37°C)	< 0.2°C	< 0.2°C	< 0.2°C	< 0.2°C	< 0.2°C	< 0.2°C
Max variation within block (100°C)	< 0.25°C	< 0.25°C	< 0.25°C	< 0.25°C	< 0.25°C	< 0.25°C
Max variation between blocks (37°C)	< 0.5°C	< 0.5°C	< 0.5°C	< 0.5°C	< 0.5°C	< 0.5°C
Max variation between blocks (100°C)	< 1.0°C	< 1.0°C	< 1.0°C	< 1.0°C	< 1.0°C	< 1.0°C
Heat up time 25-100°C (min)	8	7	7	7	8	9
Heat up time 25-200°C (min)	na	na	na	na	23	19
Audible alarm	Yes	Yes	Yes	Yes	Yes	Yes
Minimum timer	1min	1min	1min	1min	1min	1min
Maximum timer	99hr 59min	99hr 59min	99hr 59min	99hr 59min	99hr 59min	99hr 59min
Safety cutout device	Thermal fuse	Thermal fuse	Thermal fuse	Thermal fuse	Thermal fuse	Thermal fuse
Dimensions (WDH)	356 x 260 x 105mm	356 x 260 x 105mm	356 x 260 x 105mm	356 x 260 x 105mm	356 x 260 x 105mm	356 x 260 x 105mm
Electrical supply	230V or 115V 50-60Hz	230V or 115V 50-60Hz	230V or 115V 50-60Hz	230V or 115V 50-60Hz	230V or 115V 50-60Hz	230V or 115V 50-60Hz
Power (W)	300	450	450	600	300	450
Shipping weight (Kg)	5	6	6	7	5	6
Warranty (Years)	3	3	3	3	3	3

## Over-temperature cut-out

In the event of a fault occurring allowing the Heating Block to overheat, a thermal fuse will cut in and remove power from the heater when the temperature reaches approximately 192°C in BH250-2, BH250-3 models and 240°C in BH250D models - eliminating any risk.

## Accurate temperature control

Highly accurate digital temperature control is made quick and easy with a bright 5-digit orange LED display. Each unit has a set point resolution of 0.1°C with temperature range from ambient + 5°C up to 100°C or 200°C depending on the model chosen. The Cole-Parmer® Heating Block facilitate a fast heat-up rate from 25°C to 100°C in 7-9 minutes, depending on the model chosen and all models are able to achieve a temperature stability at 37°C ± 0.1°C.

## New panel venting

Each Cole-Parmer® digital Heating Block has venting to the side panels. Whilst helping to create a fresh modern look, the vents are designed to dissipate heat from the outer surfaces of the Dri-Block®, allowing users to safely handle and relocate their Heating Block even after extended use at 100°C or 200°C.

## Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
Cole-Parmer® Digital Block Heater. Ambient + 5°C to 100°C, 2 blocks (230V)	36620-00	BH-250	BH-250D-2	DB100/2
Cole-Parmer® Digital Block Heater. Ambient + 5°C to 100°C, 2 blocks (115V)	36620-01	BH-250	BH-250D-2-115	DB100/2/115
Cole-Parmer® Digital Block Heater. Ambient + 5°C to 100°C, 2 blocks twin control (230V)	36620-02	BH-250	BH-250DC-2	DB100/2TC
Cole-Parmer® Digital Block Heater. Ambient + 5°C to 100°C, 2 blocks twin control (115V)	36620-03	BH-250	BH-250DC-2-115	DB100/2TC/115
Cole-Parmer® Digital Block Heater. Ambient + 5°C to 100°C, 3 blocks (230V)	36620-04	BH-250	BH-250DC-3	DB100/3
Cole-Parmer® Digital Block Heater. Ambient + 5°C to 100°C, 3 blocks (115V)	36620-05	BH-250	BH-250DC-3-115	DB100/3/115
Cole-Parmer® Digital Block Heater. Ambient + 5°C to 100°C, 4 blocks (230V)	36620-06	BH-250	BH-250DC-4	DB100/4
Cole-Parmer® Digital Block Heater. Ambient + 5°C to 100°C, 4 blocks (115V)	36620-07	BH-250	BH-250DC-4-115	DB100/4/115
Cole-Parmer® Digital Block Heater. Ambient + 5°C to 200°C, 2 blocks (230V)	36620-08	BH-250	BH-250D-2-HT	DB200/2
Cole-Parmer® Digital Block Heater. Ambient + 5°C to 200°C, 2 blocks (115V)	36620-09	BH-250	BH-250D-2-HT-115	DB200/2/115
Cole-Parmer® Digital Block Heater. Ambient + 5°C to 200°C, 3 blocks (230V)	36620-10	BH-250	BH-250D-3-HT	DB200/3
Cole-Parmer® Digital Block Heater. Ambient + 5°C to 200°C, 3 blocks (115V)	36620-11	BH-250	BH-250D-3-HT-115	DB200/3/115
Cole-Parmer® Digital Heating Block. Ambient + 25°C to 200°C, 3 blocks, RS232 output (230V)	36620-16	BH-250	BH-250D-3-HT-RS	DB200/3/RS
Cole-Parmer® Digital Heating Block. Ambient + 25°C to 200°C, 3 blocks, RS232 output (115V)	99965-78	BH-250	BH-250D-3-HT-RS-115	DB200/3/RS/115



BH-250D-3-HT Digital Heating Block

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