

# Cole-Parmer®

## Cole-Parmer® Portable Heating Blocks Calibrator HBC-100, HBC-200

- Wide range of inserts and custom options available
- RS-232 interface plus software and cable
- Soft Carry case
- Hard Carry case
- UKAS calibration certificate
- Block inserts are available separately



Portable Heating Blocks Calibrator HBC-200

# Cole-Parmer® Portable Heating Blocks Calibrator HBC-100, HBC-200

The Cole-Parmer® HBC-100F operates from 45°C below ambient to 140°C while the HBC-200F operates from 5°C above ambient to 425°C and both reaches maximum temperature in 10/12 minutes.

This lightweight and easily portable unit weighs 6.3kg and has a temperature accuracy of  $\pm 0.3^{\circ}\text{C}$  and a temperature uniformity of  $\pm 0.2^{\circ}\text{C}$ .

HBC-200 models are offered with the option to include RS-232 communications and can be used with a wide range of inserts to suit different probe sizes. Automatic fan cooling is standard, with a fast cooling probe accessory also available.

## Technical Specification

Specification	HBC-100-140FR / HBC-100-140FS	HBC-200-425FR / HBC-200-425FS	HBC-200-425FR / HBC-200-425FS
Temperature range	45°C below ambient to 140°C (typically -20°C in an ambient of 25°C)	5°C above ambient to 425°C	25°C above ambient to 650°C
Display Accuracy	$\pm 0.2^{\circ}\text{C}$	$\pm 0.3^{\circ}\text{C}$	$\pm 0.4^{\circ}\text{C}$
Temperature Uniformity	$\pm 0.2^{\circ}\text{C}$	$\pm 0.2^{\circ}\text{C}$	$\pm 1.0^{\circ}\text{C}$
Temperature Stability	$\pm 0.05^{\circ}\text{C}$ (after 10 mins)	$\pm 0.03^{\circ}\text{C}$ at 200°C (after 10 mins) $\pm 0.05^{\circ}\text{C}$ at 425°C (after 10 mins)	$\pm 0.09^{\circ}\text{C}$ (after 10 mins)
Display resolution	0.01°C or 0.1 °F	0.01°C or 0.1 °F	0.01°C or 0.1 °F
Set point resolution	0.1°C or 0.1 °F	0.1°C or 0.1 °F	0.1°C or 0.1 °F
Display units	°C or °F	°C or °F	°C or °F
PC Interface	RS-232 option	RS-232 option	RS-232 option
Heating rate 20°C to	20°C to 100°C 5 minutes	20°C to 400°C 12 minutes	20°C to 600°C 24 minutes
Cooling rate 400°C to 100°C	100°C to 0°C 9 minutes	400°C to 100°C 21 minutes	600°C to 200°C 21 minutes
Large well (mm)	38 (diameter) x 135 (deep) Inserts	38 (diameter) x 135 (deep) Inserts	38 (diameter) x 135 (deep) Inserts
Fan Cooling	Automatic	Automatic	Automatic
Safety over-temperature cut-out	Yes	Yes	Yes
Fast Cooling	-	Rapid Water Cooling Probe - Compatible	Rapid Water Cooling Probe - Compatible
Dimensions L x W x H	273 x 207 x 289	270 x 170 x 255	278 x 170 x 300
Weight	11kg	6.3kg	9.6kg
Power (W)	400	900	1300



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## Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
Cole-Parmer® Block Heater Calibrator 140°C 230V 50/60Hz	16102-04	HBC-200	HBC-100-140FR	FDB140FR
Cole-Parmer® Block Heater Calibrator 140°C 120V 50/60Hz	16102-05	HBC-200	HBC-100-140FS	FDB140FS
Cole-Parmer® Block Heater Calibrator 425°C 230V 50/60Hz	16102-28	HBC-200	HBC-200-425FR	FDB425FR
Cole-Parmer® Block Heater Calibrator 425°C 120V 50/60Hz	16102-15	HBC-200	HBC-200-425FR	FDB425FS
Cole-Parmer® Block Heater Calibrator 425°C 120V 50/60Hz	16104-46	HBC-200	HBC-200-650FR	FDB650FR
Cole-Parmer® Block Heater Calibrator 650°C 120V 50/60Hz	16104-47	HBC-200	HBC-200-650FS	FDB650FS

## Accessories

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
Soft Carry Case for HBC-100-140FR and HBC-100-140FS	99966-05	HBC-100	-	FSC140F
Soft Carry Case for HBC-100-140FR and HBC-200-425FS	99967-98	HBC-100	-	FSC425F



Portable Dri-Block Calibrator HBC-100



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**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

