



# CH-100, Heating/Cooling Dry Block

CH-100, Heating/Cooling Dry Block with **CH-1** block for 20 x 0.5 ml + 12 x 1.5 ml microtubes

## Product codes:

Reference: BS-010410-BAI

## Product gallery:



## Product description:

**CH-100** is the result of combining two popular Biosan instruments:

1. Heating Dry block and
2. Cooling Dry block thermostat

The combined construction of aluminium block and Peltier element module cooled with the forced ventilation radiator provides fast changing of the cooling and heating modes.

**CH-100** is a very effective instrument of sample preparation during enzyme reactions, hybridization reactions, DNA analysis.

Microprocessor controlled time and temperature. Simultaneous indication of set and actual temperature and time.



Blocks (built in) capacity:

1) with **CH-1** block for 20 x 0.5 ml + 12 x 1.5 ml microtubes;

## Specification

Temperature setting range  $-10^{\circ}\text{C}$  ...  $+100^{\circ}\text{C}$  Temperature control range  $30^{\circ}\text{C}$  below ambient ...  $+100^{\circ}\text{C}$  Temperature setting resolution  $0.1^{\circ}\text{C}$  Temperature stability  $\pm 0.1^{\circ}\text{C}$  Temperature uniformity at  $+37^{\circ}\text{C}$   $\pm 0.1^{\circ}\text{C}$  Temperature calibration coefficient range 0.936...1.063 ( $\pm 0.063$ ) Digital time setting 1 min – 96 hrs / non-stop (increment 1 min) Display LCD, 2 ? 16 signs Overall dimensions (WxDxH) 240?260?165 mm Weight 3.2 kg Input current/power consumption 12 V, 4.4 A / 55 W External power supply Input AC 100–240 V 50/60 Hz, Output DC 12 V

## Product features:

TBH - TYPE: heater with cooling

TBH - No BLOCKS: 1

TBH - WITH COOLING: you

TBH - TEMPERATURE MAXIMUM:  $+100^{\circ}\text{C}$

TBH - MINIMUM TEMPERATURE SET:  $-10^{\circ}\text{C}$

TBH - THE MINIMUM TEMPERATURE REACHED:  $30^{\circ}$  below ambient ( $10^{\circ}\text{C}$ )

TBH - RESOLUTION SETTING:  $0,1^{\circ}\text{C}$

TBH - PRECISION:  $0,1^{\circ}\text{C}$

TBH - UNIFORMITY:  $0,1^{\circ}\text{C}$

TBH - DISPLAY: LCD

TBH - TIMER: da 1m a 96h

TBH - PROGRAMS: not provided

TBH - COMPLIANCE: CE

TBH - FREE: no

TBH - ACCESSORIES INCLUDED: integrated lock and cover

TBH - WARRANTY: 12 months on manufacturing defects

TBH - TO BE USED WITH: microtubes 0.5 ml

TBH - TO BE USED WITH: microtubes 1.5 ml

TBH - IDEAL FOR: PCR analysis

TBH - IDEAL FOR: enzymatic analyses

TBH - IDEAL FOR: hybridization reactions