**Data Sheet**

Heating/Tempering / Dry Block Heater

Dry Block Heater 1

**Technical Data**

Number of blocks

1

Digital block heater for one aluminum block provides precise temperature

control in small vessels. Included PT-1000 temperature sensor allows

temperature control directly in the sample vessel. It is used with PCR

tubes, PCR strips, Greiner tubes, microplates and cuvettes. The block

heater is ideal for melting and boiling point determination, enzyme

reactions, incubation and activation of cultures, immunoassays, DNA

denaturation, culture media tests, coagulation tests, blood-urea-nitrogen

determinations and in situ hybridizations.

Heat output [W]

165

Heating temperature range [°C]

Temperature display

room temp. +5° - 120

yes

Adjustment and display resolution [K]

Connection for ext. temperature sensor

PT 1000 variation;DIN EN 60751 Kl. A [K]

Temperature stability within the blocks at 37°C \* [±°C]

Temperature stability within the blocks at 60°C \* [±°C]

Temperature Homogenity @ 37°C \* [K]

Temperature Homogenity @ 60°C \* [K]

Heatingrate / Heat up time with external sensor \* [K/min]

Set-up plate material

1

CT (DIN12878)

<= ± (0.15 +0.002xITI)

0.2

0.4

0.2

-

-

-

-

-

-

-

Stepless adjustable temperature up to 120 °C

Timer: Countdown, adjustable from 1 min to 99h 59min

Counter: Display of heating time

Highly versatile with a large number of blocks

Error code display

0.4

5

Aluminium alloy

Set-up plate dimensions [mm]

Fixed safety circuit [°C]

96 x 76

150

Fixed safety circuit

Acoustic signal at end of test

Timer

yes

Time setting range [min]

1 - 5999

\*

Measured in IKA DBH Testingblock

Refer Manual for more details

Accessories: DB 1.1, DB 1.2, DB 1.3, DB 1.4, DB 1.5, DB 2.1, DB 2.2, DB

Dimensions (W x H x D) [mm]

Weight [kg]

151 x 73 x 228

3.1, DB 3.2, DB 3.3, DB 4.1, DB 4.2, DB 4.3, DB 4.4, DB 4.5, DB 4.6, DB

4.7, DB 4.8, DB 4.9, DB 5.1, DB 5.2, DB 5.3, DB 5.4, DB 5.5, DB 5.6, DB

5.7, DB 5.8, DB 5.9, DB 6.1, DB 6.2, DB 8.1, PT 1000.60 Temperature

1

Permissible ambient temperature [°C]

Permissible relative humidity [%]

Protection class according to DIN EN 60529

Voltage [V]

5 - 40

80

sensor, stainless steel, PT 1000.90 Temperature sensor, coated

IP 21

220 - 240 / 115 / 100

50/60

Frequency [Hz]

Power input [W]

165

**Ident. No.**

**0004025100**

©

IKA® Werke Staufen/Germany 2018 www.ika.com

Subject to technical changes

ooxWord://word/media/image3.jpegooxWord://word/media/image4.jpegooxWord://word/media/image5.jpegooxWord://word/media/image6.jpegooxWord://word/media/image7.jpegooxWord://word/media/image8.jpegooxWord://word/media/image9.jpegooxWord://word/media/image10.jpegooxWord://word/media/image11.jpegooxWord://word/media/image12.jpegooxWord://word/media/image13.jpegooxWord://word/media/image14.jpegooxWord://word/media/image15.jpegooxWord://word/media/image16.jpegooxWord://word/media/image17.jpegooxWord://word/media/image18.jpegooxWord://word/media/image19.jpegooxWord://word/media/image20.jpegooxWord://word/media/image21.jpegooxWord://word/media/image22.jpegooxWord://word/media/image23.jpegooxWord://word/media/image24.jpegooxWord://word/media/image25.jpegooxWord://word/media/image26.jpegooxWord://word/media/image27.jpegooxWord://word/media/image28.jpeg