

# IKA

designed for scientists

EN



Innovative laboratory solutions for your research  
PRODUCT OVERVIEW

imLab



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IKA has a diverse range of dry block heaters designed to accommodate various interchangeable heating blocks. They provide precise temperature control for reproducible results. These digital block heaters are 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.

## DRY BLOCK HEATERS

/// Provide precise temperature control in small vessels



Digital block heaters for up to four aluminium blocks provide 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 digital dry block heaters with precisely designed blocks ensure highly accurate and reproducible results, guaranteeing short heating times. The bright, easy to read LED display facilitates very easy setting of the required temperature and accurate monitoring of the actual temperature. Excellent temperature uniformity and stability is ensured.

### TIMER

Countdown, adjustable from 1 min to 99 h 59 min.

### FIXED SAFETY CIRCUIT

### ACCESSORIES

Highly versatile with a large number of blocks.

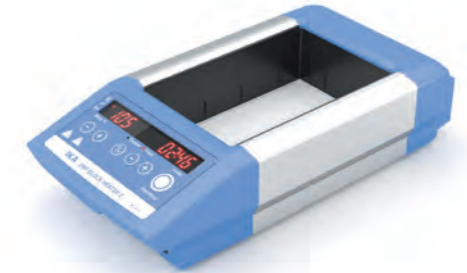
### Dry Block Heater 1

Ident. No. 0004025100



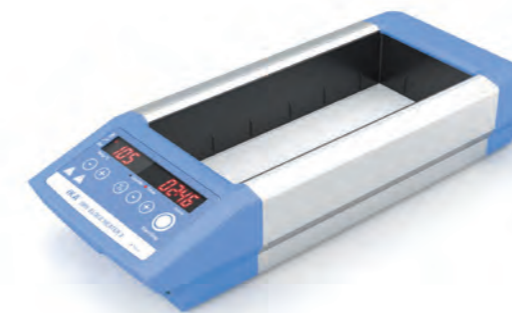
### Dry Block Heater 2

Ident. No. 0004025200



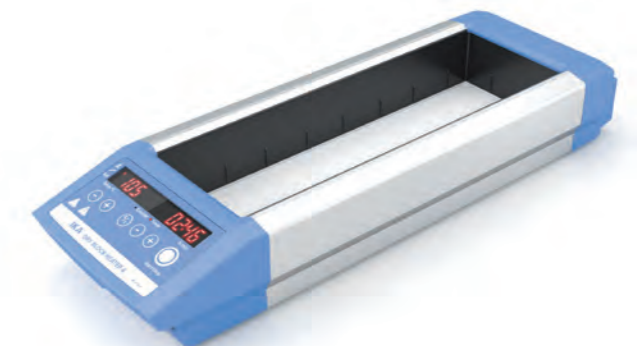
### Dry Block Heater 3

Ident. No. 0004025300



### Dry Block Heater 4

Ident. No. 0004025400



TECHNICAL DATA	DRY BLOCK HEATER 1	DRY BLOCK HEATER 2	DRY BLOCK HEATER 3	DRY BLOCK HEATER 4
Number of blocks	1	2	3	4
Heat output	165 W	250 W	330 W	412 W
Heating temperature range	RT +5 °C – 120 °C	RT +5 °C – 120 °C	RT +5 °C – 120 °C	RT +5 °C – 120 °C
Connection for ext. temperature sensor	CT (DIN 12878)	CT (DIN 12878)	CT (DIN 12878)	CT (DIN 12878)
Temperature homogeneity at 37 / 60 °C	0.2 K / 0.4 K	0.2 K / 0.4 K	0.3 K / 0.6 K	0.3 K / 0.6 K
Set-up plate dimensions	96 × 76 mm	96 × 152 mm	96 × 228 mm	96 × 304 mm
Dimensions (W × H × D)	151 × 73 × 228 mm	151 × 73 × 304 mm	151 × 73 × 380 mm	151 × 73 × 456 mm
Protection class according to DIN EN 60529	IP 21	IP 21	IP 21	IP 21



DB 1.1



DB 3.2



DB 4.1



DB 4.6



DB 5.2



DB 5.8



DB 8.1

Product	Description	Ident. No.
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**MICRO CENTRIFUGE TUBES**

DB 1.1	Single block, PCR tubes, Ø 7.9 mm	0004467600
DB 1.2	Single block, Eppendorf tubes, Ø 11.5 mm	0004467700
DB 1.3	Single block, microtubes, Ø 11.1 mm	0004467800
DB 1.4	Single block, VWR   Eppendorf tubes, Ø 10.9 mm	0004467900
DB 1.5	Single block, corning tubes, Ø 10.9 mm	0004468000

**CONICAL BOTTOM CENTRIFUGE TUBES**

DB 2.1	Single block, conical tubes, Ø 17.1 mm	0004468100
DB 2.2	Single block, conical tubes, Ø 29 mm	0004468200

**COMBINATION BLOCKS**

DB 3.1	Single block, test tube comb., 6   12   13   25 mm	0004468300
DB 3.2	Single block, centrifuge comb., 1.5   15   50 ml	0004468400
DB 3.3	Single block, microtube comb., 0.5   1.5   2 ml	0004468500

**STANDARD TEST TUBES**

DB 4.1	Single block, 30 round tubes, Ø 8.3 mm	0004468600
DB 4.2	Single block, 24 round tubes, Ø 10.7 mm	0004468700
DB 4.3	Single block, 16 round tubes, Ø 13.9 mm	0004468800
DB 4.4	Single block, 20 round tubes, Ø 13.9 mm	0004468900
DB 4.5	Single block, 12 round tubes, Ø 17.5 mm	0004469000
DB 4.6	Single block, 8 round tubes, Ø 21 mm	0004469100
DB 4.7	Single block, 6 round tubes, Ø 26.2 mm	0004469200
DB 4.8	Single block, 4 round tubes, Ø 35 mm	0004469300
DB 4.9	Single block, 12 round tubes, Ø 19.1 mm	0004469400

**VIALS**

DB 5.1	Single block, 12 mm vials, Ø 12.7 mm	0004469500
DB 5.2	Single block, 15 mm vials, Ø 15.8 mm	0004469600
DB 5.3	Single block, 17 mm vials, Ø 17.8 mm	0004469700
DB 5.4	Single block, 19 mm vials, Ø 19.7 mm	0004469800
DB 5.5	Single block, 21 mm vials, Ø 21.7 mm	0004469900
DB 5.6	Single block, 23 mm vials, Ø 23.8 mm	0004470000
DB 5.7	Single block, 25 mm vials, Ø 25.8 mm	0004470100
DB 5.8	Single block, 28 mm vials, Ø 28.8 mm	0004470200
DB 5.9	Single block, 16 mm vials, Ø 16.4 mm	0004470300

**STANDARD TEST TUBES**

DB 6.1	Single block, 10 × 8 PCR tube strips, Ø 6.4 mm	0004470400
DB 6.2	Single block, 64 PCR tubes, Ø 6.4 mm	0004470500
DB 6.3	Double block, 1 × 96-Well PCR plate, Ø 6.4 mm	0004470600
DB 7.1	Double block, 96- or 384-Well-plate	0004470800
DB 8.1	Single block, 2 × 6 cuvettes, Ø 12.5 mm	0004470700

**TEMPERATURE SENSORS**

PT 1000.60	Temp. sensor, stn. steel, Ø 3 mm, depth: 230 mm	0003516800
PT 1000.90	Temp. sensor, coated, Ø 3 mm, depth: 230 mm	0004480600

**C-MAG HP 4**

Ident. No. 0003581600



**C-MAG HP 7**

Ident. No. 0003581800



**C-MAG HP 10**

Ident. No. 0003582000



TECHNICAL DATA	C-MAG HP 4	C-MAG HP 7	C-MAG HP 10
Heat output	250 W	1000 W	1500 W
Heating temperature range	50 °C – 500 °C	50 °C – 500 °C	50 °C – 500 °C
Connection for ext. temperature sensor	–	ETS-D5	ETS-D5
Heating rate heating plate	2.5 K / min	5 K / min	5 K / min
Set-up plate material	Ceramic	Ceramic	Ceramic
Set-up plate dimensions	100 × 100 mm	180 × 180 mm	260 × 260 mm
Dimensions (W × H × D)	150 × 105 × 260 mm	220 × 105 × 330 mm	300 × 105 × 415 mm
Protection class according to DIN EN 60529	IP 21	IP 21	IP 21



designed for scientists

# Everything for your Lab

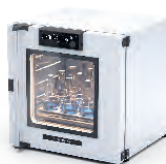
IKA is your reliable partner in laboratory, analysis and process technology. When it comes to applications in the areas of stirring, mixing, tempering, distilling or grinding, market leaders rely on our proven products and technology. We are continually working to further develop our portfolio according to the needs of our customers. Building on this, we network our products and services to create holistic, application-oriented solutions and enable our customers to achieve the best possible results and step into the digital age.



BIOREACTORS



MIXING



HEATING / COOLING /  
TEMPERING



LIQUID HANDLING



MEASURING VISCOSITY



VACUUM TECHNOLOGY



CRUSHING



LABORATORY SOFTWARE



SEPARATION



ELECTROCHEMISTRY  
FLOW CHEMISTRY



REACTOR SYSTEMS



CALORIMETRY

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