

IKA®

Dry Block Heaters



designed
to work perfectly

Dry Block Heaters | Quick, Safe and Efficient!

IKA® offers an exemplary and diverse range of dry block heaters designed to accommodate various interchangeable heating blocks. They provide precise temperature control for repeatable 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. They are designed for precise heating of PCR tubes, PCR strips, microcentrifuge tubes, microplates and cuvettes.



3 Year warranty*

* 2+1 years after registering at www.ika.com/register, glassware and wearing parts excluded

Protection class according to DIN EN 60529: IP 21



Dry Block Heaters | Accurate and Precise!

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 secured.



A wide range of interchangeable heating blocks to fit most of the sample tube or plate



Temperature display for the actual/set-point temperatures, up/down arrows for set-point control



Timer display for accurate and reproducible conditions, up/down arrows for set-point control



C/T selector button for choosing between the counter and timer function



External probe for accurate temperature control



Threaded hole for the stand

Dry Block Heaters | Modular Heating Blocks

IKA®+

Precise temperature control!



- > Bushing acc. to DIN 12878
- > Rapid heat up rates
- > Exceptional temperature uniformity
- > PT 1000.60 temperature sensor included in the delivery



IKA® dry block heaters are highly versatile and each model can accept separate interchangeable modular heating blocks. They can carry various sample enclosures like centrifuge tubes, test tubes, vials, microtitre plates and PCR tubes or strips. Each block has a thermometer well for measuring the block temperature. Anodized aluminum blocks provide superior temperature stability and heat transfer.

Dry Block Heaters | Technical data



Dry Block Heater 1

Technical data

Number of blocks	1
Heat output	165 W
Heating temperature range	RT +5 °C to 120 °C
Display	LED
Heat control accuracy	± 1 K
Connection for ext. temperature sensor	DIN 12878
Control accuracy with sensor	± 1 K
Temperature stability within the blocks at 37°C	± 0.5 °C
Temperature stability within the blocks at 60°C	± 1.5 °C
Material of the blocks	Aluminum alloy
Set-up plate dimensions	96 x 75 mm
Fixed safety circuit	150 °C
Timer	1 min - 99h 59min
Dimensions (W x D x H)	151 x 228 x 73 mm
Weight (without blocks)	1 kg
Permissible ambient temperature range	5 – 40 °C
Permissible relative moisture	80%
Protection class according to DIN EN 60529	IP 21
Voltage	220 – 240 V
Frequency	50/60 Hz
Power input	165 W

Ident. No. 0004025100



Dry Block Heater 2

Number of blocks	2
Heat output	250 W
Heating temperature range	RT +5 °C to 120 °C
Display	LED
Heat control accuracy	± 1 K
Connection for ext. temperature sensor	DIN 12878
Control accuracy with sensor	± 1 K
Temperature stability within the blocks at 37°C	± 0.5 °C
Temperature stability within the blocks at 60°C	± 1.5 °C
Material of the blocks	Aluminum alloy
Set-up plate dimensions	96 x 152 mm
Fixed safety circuit	150 °C
Timer	1 min - 99h 59min
Dimensions (W x D x H)	151 x 304 x 73 mm
Weight (without blocks)	1.3 kg
Permissible ambient temperature range	5 – 40 °C
Permissible relative moisture	80%
Protection class according to DIN EN 60529	IP 21
Voltage	220 – 240 V
Frequency	50/60 Hz
Power input	250 W

Ident. No. 0004025200



Dry Block Heater 3

Technical data

Number of blocks	3
Heat output	330 W
Heating temperature range	RT +5 °C to 120 °C
Display	LED
Heat control accuracy	± 1 K
Connection for ext. temperature sensor	DIN 12878
Control accuracy with sensor	± 1 K
Temperature stability within the blocks at 37°C	± 0.5 °C
Temperature stability within the blocks at 60°C	± 1.5 °C
Material of the blocks	Aluminum alloy
Set-up plate dimensions	96 x 227 mm
Fixed safety circuit	150 °C
Timer	1 min - 99h 59min
Dimensions (W x D x H)	151 x 380 x 73 mm
Weight (without blocks)	1.6 kg
Permissible ambient temperature range	5 – 40 °C
Permissible relative moisture	80%
Protection class according to DIN EN 60529	IP 21
Voltage	220 – 240 V
Frequency	50/60 Hz
Power input	330 W

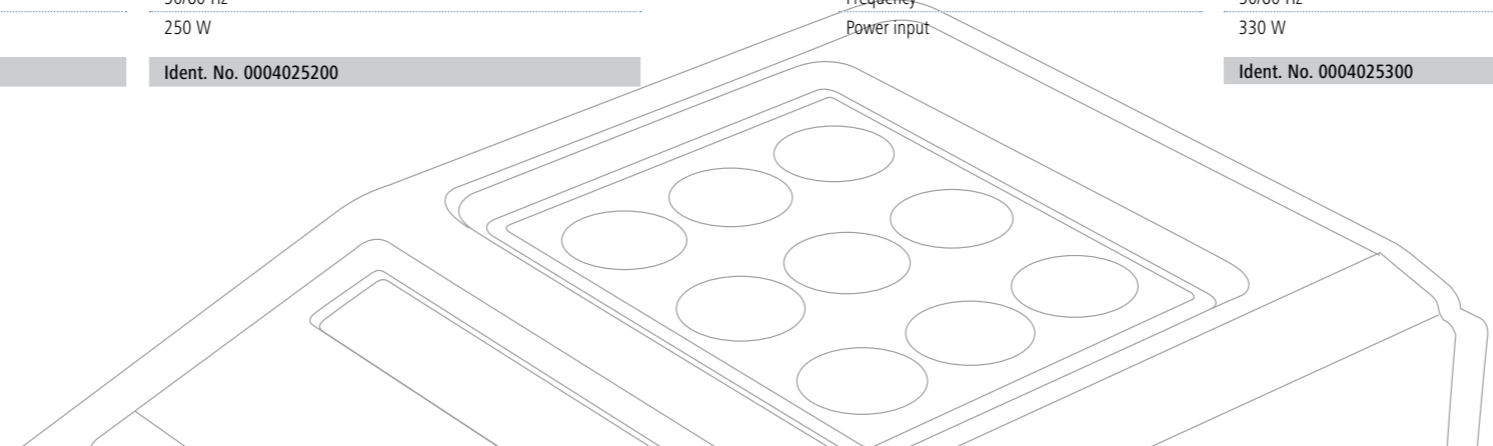
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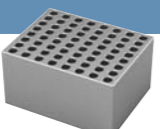

Dry Block Heater 4

Number of blocks	4
Heat output	412 W
Heating temperature range	RT +5 °C to 120 °C
Display	LED
Heat control accuracy	± 1 K
Connection for ext. temperature sensor	DIN 12878
Control accuracy with sensor	± 1 K
Temperature stability within the blocks at 37°C	± 0.5 °C
Temperature stability within the blocks at 60°C	± 1.5 °C
Material of the blocks	Aluminum alloy
Set-up plate dimensions	96 x 304 mm
Fixed safety circuit	150 °C
Timer	1 min - 99h 59min
Dimensions (W x D x H)	151 x 456 x 73 mm
Weight (without blocks)	2 kg
Permissible ambient temperature range	5 – 40 °C
Permissible relative moisture	80%
Protection class according to DIN EN 60529	IP 21
Voltage	220 – 240 V
Frequency	50/60 Hz
Power input	412 W

Ident. No. 0004025400



Dry Block Heaters | Accessories

	Name	Pore size (mm)	For	No. of hole	Hole depth (mm)	W x D x H (mm)	Ident. No.
Micro centrifuge tubes							
	DB 1.1 Single block	Ø 7.9	PCR tubes (0.5 ml)	30	27.6	95 x 76 x 51	0004467600
	DB 1.2 Single block	Ø 11.5	Eppendorf microtubes (1.5 ml)	20	36.9	95 x 76 x 51	0004467700
	DB 1.3 Single block	Ø 11.1	Microtubes (1.5 ml)	20	39.1	95 x 76 x 51	0004467800
	DB 1.4 Single block	Ø 11.5	Eppendorf microtubes (2.0 ml)	20	38.1	95 x 76 x 51	0004467900
	DB 1.5 Single block	Ø 10.9	Corning microtubes (2.0 ml)	20	38.1	95 x 76 x 51	0004468000
Conical bottom centrifuge tubes							
	DB 2.1 Single block	Ø 17.1	Conical tubes (15 ml)	12	44.5	95 x 76 x 51	0004468100
	DB 2.2 Single block	Ø 29.0	Conical tubes (50 ml)	5	47.6	95 x 76 x 51	0004468200
Combination blocks							
	DB 3.1 Single block	Ø 8.3 / Ø 13.9 / Ø 26.2	Test tube combination 6 mm, 12/13 mm, 25 mm	6 / 5 / 3	48.4 / 48.4 / 48.4	95 x 76 x 51	0004468300
	DB 3.2 Single block	Ø 11.1 / Ø 17.1 / Ø 29.0	Centrifuge tube combination, 1.5 ml, 15 ml, 50 ml	4 / 3 / 2	39.1 / 44.5 / 47.6	95 x 76 x 51	0004468400
	DB 3.3 Single block	Ø 7.9 / Ø 11.1 / Ø 11.5	Microtube combination, 0.5 ml, 1.5 ml, 2.0 ml	6 / 10 / 5	27.6 / 39.1 / 38.1	95 x 76 x 51	0004468500
Standard test tubes							
	DB 4.1 Single block	Ø 8.3	Round bottom tubes (6 mm)	30	48.4	95 x 76 x 51	0004468600
	DB 4.2 Single block	Ø 10.7	Round bottom tubes (10 mm)	24	48.4	95 x 76 x 51	0004468700
	DB 4.3 Single block	Ø 13.9	Round bottom tubes (12/13 mm)	16	48.4	95 x 76 x 51	0004468800
	DB 4.4 Single block	Ø 13.9	Round bottom tubes (12/13 mm)	20	48.4	95 x 76 x 51	0004468900
	DB 4.5 Single block	Ø 17.5	Round bottom tubes (15/16 mm)	12	48.4	95 x 76 x 51	0004469000
	DB 4.6 Single block	Ø 21.0	Round bottom tubes (20 mm)	8	48.4	95 x 76 x 51	0004469100
	DB 4.7 Single block	Ø 26.2	Round bottom tubes (25 mm)	6	48.4	95 x 76 x 51	0004469200
	DB 4.8 Single block	Ø 35.0	Round bottom tubes (35 mm)	4	47.6	95 x 76 x 51	0004469300
	DB 4.9 Single block	Ø 19.1	Round bottom tubes (17/18 mm)	12	48.4	95 x 76 x 51	0004469400
Vials							
	DB 5.1 Single block	Ø 12.7	12 mm vials	20	30.0	95 x 76 x 51	0004469500
	DB 5.2 Single block	Ø 15.8	15 mm vials	20	35.0	95 x 76 x 51	0004469600
	DB 5.3 Single block	Ø 17.8	17 mm vials	12	45.0	95 x 76 x 51	0004469700
	DB 5.4 Single block	Ø 19.7	19 mm vials	12	45.0	95 x 76 x 51	0004469800
	DB 5.5 Single block	Ø 21.7	21 mm vials	9	45.0	95 x 76 x 51	0004469900
	DB 5.6 Single block	Ø 23.8	23 mm vials	8	45.0	95 x 76 x 51	0004470000
	DB 5.7 Single block	Ø 25.8	25 mm vials	8	45.0	95 x 76 x 51	0004470100
	DB 5.8 Single block	Ø 28.8	28 mm vials	6	45.0	95 x 76 x 51	0004470200
	DB 5.9 Single block	Ø 16.4	16 mm vials	15	45.0	95 x 76 x 51	0004470300
PCR - plates, tubes, strips							
	DB 6.1 Single block	Ø 6.4	10 x 8 individual PCR tube strips (0.2 ml tubes)	80	15.5	95 x 76 x 51	0004470400
	DB 6.2 Single block	Ø 6.4	64 x individual PCR tubes (0.2 ml tubes)	64	20.2	95 x 76 x 51	0004470500
	DB 6.3 Double block	Ø 6.4	1 x 96 – well PCR plate (0.2 ml tubes)	96	15.5	95 x 76 x 51	0004470600
Cuvettes							
	DB 8.1 Single block		2 x 6 cuvettes (12.5 mm)		25.4	95 x 76 x 51	0004470700
Microtitre plates							
	DB 7.1 Double block		96 – or 384 – well plate		13.5	95 x 152 x 57	0004470800

Comprehensive Worldwide Service!

Our dedicated team of engineers provides comprehensive worldwide technical service. Please feel free to contact your dealers or IKA® directly in case of any service queries. Hotline: In the event of an equipment malfunction or technical questions regarding devices and spare parts: call 00 8000 4524357 (00 8000 IKAHELP)



IKA® Application Support

Our Application Center spans 400 sqm and offers modern facilities for presenting and testing lab devices and processes. This brings us even closer to our customers and improves our service. Here, prospective buyers and customers can test out processes that involve stirring, shaking, dispersing, grinding, heating, analyzing and distilling. In addition, it also further extends the opportunity to test your own devices and to develop new models.



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IKA® dry block heaters are highly versatile suitable for broad range of applications.

- > DNA extractions
- > DNA analysis
- > Melting point determination
- > Boiling point determination
- > Immunoassays
- > Enzyme reactions
- > Enzymatic processes
- > Enzyme activity studies
- > In situ hybridization
- > Blood-urea-nitrogen determinations
- > Nucleic acid hybridization
- > Coagulation studies
- > Biochemical processes
- > Incubation and activation of cultures
- > Blood examinations
- > Fertile ground processing
- > Restriction digest
- > Denaturation



IKA+

Application Support!

For questions regarding applications and processes, you can call our hotline number: **00 8000 4522777 (00 8000 IKAAPPS)***
E-Mail: applicationsupport@ika.de

* Monday – Thursday from 8:30 - 16:30
Friday from 8:30 - 15:30

3 Year warranty*

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Subject to technical changes
Indications not binding for delivery

IKA®+

Ordering made easy!

For more information about
our products and to place
your order, please visit:

www.ika.com

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IKA®-Werke GmbH & Co. KG
Janke & Kunkel-Str. 10
79219 Staufen
Germany

Tel. +49 7633 831-0
Fax +49 7633 831-98

sales@ika.de
www.ika.com