

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.



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

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



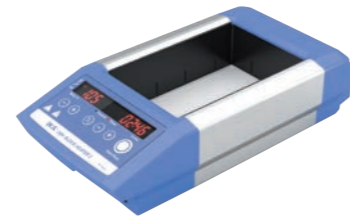
Dry Block Heater 1

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

Price 876.- EUR

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

Price 1,018.- EUR

Ident. No. 0004025200



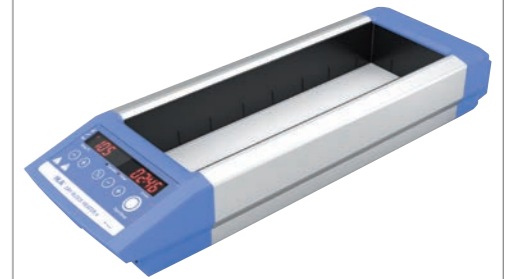
Dry Block Heater 3

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

Price 1,150.- EUR

Ident. No. 0004025300











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

Price 1,458.- EUR

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.	Price
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	89.- EUR
	DB 1.2 Single block	Ø 11.5	Eppendorf microtubes (1.5 ml)	20	36.9	95 x 76 x 51	0004467700	74.- EUR
	DB 1.3 Single block	Ø 11.1	Microtubes (1.5 ml)	20	39.1	95 x 76 x 51	0004467800	74.- EUR
	DB 1.4 Single block	Ø 11.5	Eppendorf microtubes (2.0 ml)	20	38.1	95 x 76 x 51	0004467900	74.- EUR
	DB 1.5 Single block	Ø 10.9	Corning microtubes (2.0 ml)	20	38.1	95 x 76 x 51	0004468000	74.- EUR
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	89.- EUR
	DB 2.2 Single block	Ø 29.0	Conical tubes (50 ml)	5	47.6	95 x 76 x 51	0004468200	88.- EUR
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	88.- EUR
	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	88.- EUR
	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	89.- EUR
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	98.- EUR
	DB 4.2 Single block	Ø 10.7	Round bottom tubes (10 mm)	24	48.4	95 x 76 x 51	0004468700	92.- EUR
	DB 4.3 Single block	Ø 13.9	Round bottom tubes (12/13 mm)	16	48.4	95 x 76 x 51	0004468800	89.- EUR
	DB 4.4 Single block	Ø 13.9	Round bottom tubes (12/13 mm)	20	48.4	95 x 76 x 51	0004468900	92.- EUR
	DB 4.5 Single block	Ø 17.5	Round bottom tubes (15/16 mm)	12	48.4	95 x 76 x 51	0004469000	89.- EUR
	DB 4.6 Single block	Ø 21.0	Round bottom tubes (20 mm)	8	48.4	95 x 76 x 51	0004469100	88.- EUR
	DB 4.7 Single block	Ø 26.2	Round bottom tubes (25 mm)	6	48.4	95 x 76 x 51	0004469200	88.- EUR
	DB 4.8 Single block	Ø 35.0	Round bottom tubes (35 mm)	4	47.6	95 x 76 x 51	0004469300	86.- EUR
	DB 4.9 Single block	Ø 19.1	Round bottom tubes (17/18 mm)	12	48.4	95 x 76 x 51	0004469400	89.- EUR
Vials								
	DB 5.1 Single block	Ø 12.7	12 mm vials	20	30.0	95 x 76 x 51	0004469500	89.- EUR
	DB 5.2 Single block	Ø 15.8	15 mm vials	20	35.0	95 x 76 x 51	0004469600	89.- EUR
	DB 5.3 Single block	Ø 17.8	17 mm vials	12	45.0	95 x 76 x 51	0004469700	86.- EUR
	DB 5.4 Single block	Ø 19.7	19 mm vials	12	45.0	95 x 76 x 51	0004469800	86.- EUR
	DB 5.5 Single block	Ø 21.7	21 mm vials	9	45.0	95 x 76 x 51	0004469900	86.- EUR
	DB 5.6 Single block	Ø 23.8	23 mm vials	8	45.0	95 x 76 x 51	0004470000	86.- EUR
	DB 5.7 Single block	Ø 25.8	25 mm vials	8	45.0	95 x 76 x 51	0004470100	86.- EUR
	DB 5.8 Single block	Ø 28.8	28 mm vials	6	45.0	95 x 76 x 51	0004470200	86.- EUR
	DB 5.9 Single block	Ø 16.4	16 mm vials	15	45.0	95 x 76 x 51	0004470300	89.- EUR
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	101.- EUR
	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	101.- EUR
	DB 8.1 Single block		2 x 6 cuvettes (12.5 mm)		25.4	95 x 76 x 51	0004470700	86.- EUR
	DB 7.1 Double block		96 – or 384 – well plate		13.5	95 x 152 x 51	0004470800	136.- EUR
	DB 6.3 Double block	Ø 6.4	1 x 96 – well PCR plate (0.2 ml tubes)	96	15.5	95 x 152 x 51	0004470600	103.- EUR

IKA® offers more

Modern
manufactu-
ring

Application
Support

Worldwide
service
network

Customizing
Center

Modern manufacturing

During manufacturing, IKA® focuses on high quality, not only with well-trained and experienced personnel, but also with standardized processes and quality checks.

The assembly of the printed circuit boards is fully automated and includes an automated 100% quality control check of every PCB.



Customizing Center

It is important that IKA® products work for your application. We have a special program: product solutions tailored to your needs.

Should you not find the appropriate device in our standard product range, please send us your requested specifications through the online form. Our team will determine its feasibility and offer a solution to you.

Please visit www.ika.com/customizingcenter to review already implemented product modifications.



Worldwide service network – direct contact in your region

Our dedicated team of engineers provides comprehensive worldwide technical service. Please feel free to contact IKA® directly or your dealer in case of any service questions.

For spare parts IKA® guarantees 10 years of availability. In the event of an equipment malfunction or technical questions regarding devices, maintenance and spare parts, please call us at 00 8000 4524357 (00 8000 IKAHELP) or send an email to service@ika.com



IKA® Application Support

Our Application Center spans 400sqm 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 processes that involve stirring, shaking, dispersing, grinding, heating, analyzing and distilling.

Call us at 00 8000 4522777 (00 8000 IKAAPPS) or send an email to applicationsupport@ika.com or visit our website at www.ika.com/applicationsupport



Prices valid until 31st of October 2017
All prices exclusive to VAT
Subject to alteration of prices
Subject to technical changes

IKA®+

Ordering made easy!

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

www.ika.com

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