

IKA®

New Product Overview 2013



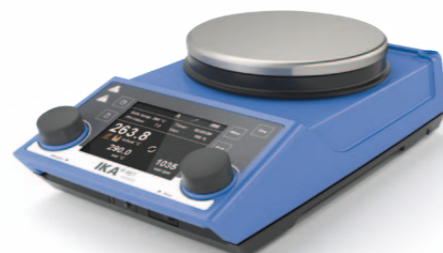
designed
to work perfectly

IKA®-Werke GmbH & Co. KG in Staufen, Germany can now look back on a century of history.

The company, which was founded in 1910 as a distributor for pharmacies and hospitals, relocated from bombed-out Cologne to Staufen in 1942. There it quickly became the global market leader for laboratory technology as well as dispersing, stirring, and kneading instruments. Today, IKA® employs over 800 people at six different locations on four continents.

IKA® laboratory technology offers a vast spectrum of innovative devices for numerous applications in research and development. For mixing, tempering, distilling or crushing, market leaders in varying fields of application rely on IKA®'s innovative and proven technology.

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For more information, please visit:
www.ika.com

North America

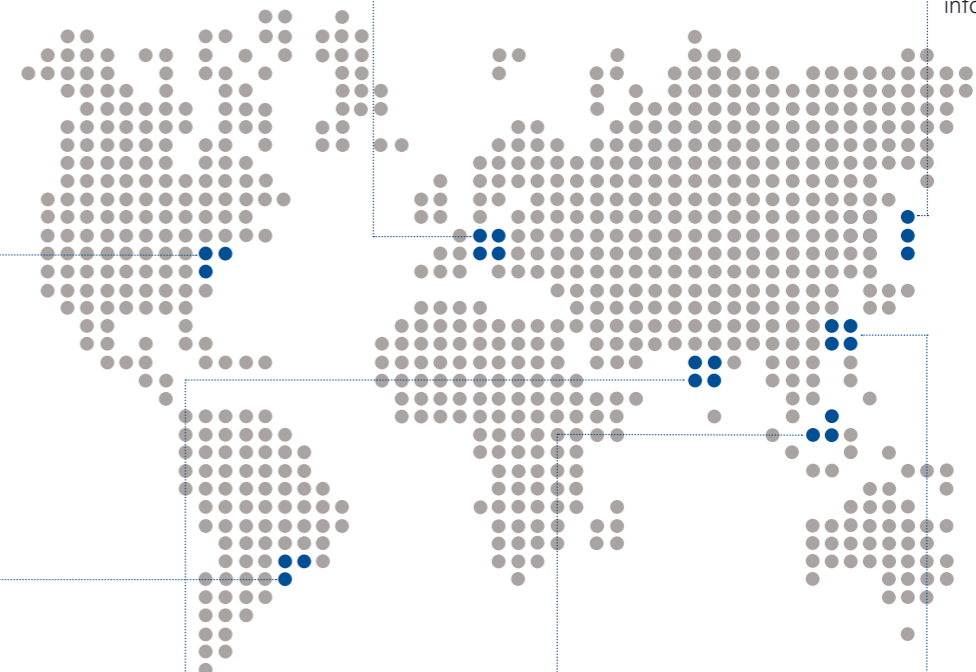
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Magnetic Stirrers with heating



The new generation of magnetic stirrers offer many unique features, such as an innovative RET control with patented integrated weighing function. In addition, the RCT basic is equipped with a USB interface. These multi-position magnetic stirrers are now equipped with digital displays and wear free magnetic coil technology.

RH digital

- > Strong magnetic field for volumes up to 15 liters
- > Digital display for precise monitoring of speed and temperature
- > "HOT" sign warning to prevent burns



Available
Q1/2013

RET control



Integrated weighing function with max. weighing range of up to 5 kg

TFT Display

TFT Display for better image quality and easy navigation



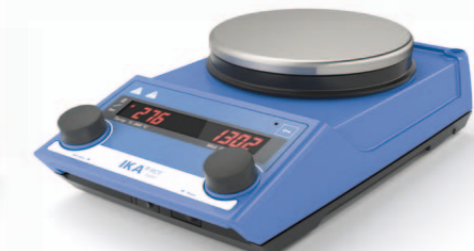
Integrated temperature sensor for precise temperature control



USB interface with the possibility to update the firmware



IKA® Patent!
Weighing function



Technical data

Max. stirring quantity (H₂O)
Motor rating input / output
Speed range
Heat output
Temperature range
Adjustable safety circuit
Control accuracy with sensor
Set-up plate material
Set-up plate dimensions
Dimensions (W x D x H)
Weight

RH basic | digital

15 l
15 / 2 W
50 – 2000 rpm
600 W
50 – 320 °C
50 – 370 °C
1 ±K
stainless steel 1.4301
Ø 135 mm
160 x 246 x 90 mm
2 kg

RCT basic

20 l
16 / 9 W
50 – 1500 rpm
600 W
RT – 340 °C
50 – 370 °C
0.5 ±K
stainless steel 1.4301
Ø 135 mm
160 x 270 x 85 mm
3 kg

RET control

20 l
16 / 9 W
50 – 1700 rpm
600 W
RT – 340 °C
50 – 370 °C
0.2 ±K
stainless steel 1.4301
Ø 135 mm
160 x 270 x 85 mm
3 kg

Price

290,- EUR | 399,- EUR

RH basic: Ident. No. 5019700
RH digital: Ident. No. 5019800

566,- EUR

Ident. No. 5019900

830,- EUR

Ident. No. 5020000

Magnetic Stirrers with heating



LCD display for simultaneous display of target and actual temperatures



Integrated temperature sensor for precise temperature control



Elevated control panel for protection against spilled liquids



Hot Top indicator to prevent burns



Ceramic heating plate offers excellent chemical resistance to acids, bases and solvents



**NEW
2012**

Technical data

	C-MAG HS 4 digital IKAMAG®	C-MAG HS 7 digital IKAMAG®	C-MAG HS 10 digital IKAMAG®
Max. stirring quantity (H ₂ O)	5 l	10 l	15 l
Motor rating input / output	15 / 1.5 W	15 / 1.5 W	15 / 1.5 W
Speed range	100 – 1500 rpm	100 – 1500 rpm	100 – 1500 rpm
Speed display	scale	scale	scale
Heat output	250 W	1000 W	1500 W
Temperature range	50 – 500 °C	50 – 500 °C	50 – 500 °C
Max. stirring bar length	30 mm	80 mm	80 mm
Adjustable safety circuit	550 °C (fixed)	550 °C (fixed)	550 °C (fixed)
Control accuracy with sensor	0.5 ±K	0.5 ±K	0.5 ±K
Set-up plate material	Ceramic	Ceramic	Ceramic
Set-up plate dimensions	100 x 100 mm	180 x 180 mm	260 x 260 mm
Weight	3 kg	5 kg	6 kg
Price	449,- EUR	499,- EUR	629,- EUR

Ident. No. 4240200

Ident. No. 3487000

Ident. No. 4240400



For information about accessories, visit www.ika.com

Multi-position magnetic stirrers



Heating foil for homogeneous temperature distribution of the heating plate



Reverse rotation switch for better mixing results



Wear-free magnetic coils for consistent and silent operation



Available
Q1/2013

Technical data	RO 5 IKAMAG®	RO 10 IKAMAG®	RO 15 IKAMAG®
Number of stirring positions	5	10	15
Max. stirring quantity (H ₂ O)	2 l	4 l	6 l
Distance between stirring places	90 mm	90 mm	90 mm
Deviation for individual stirring positions	0%	0%	0%
Speed display	LED	LED	LED
Speed range	0 – 1200 rpm	0 – 1200 rpm	0 – 1200 rpm
Speed adjustment	10 rpm steps	10 rpm steps	10 rpm steps
Max. stirring bar length	30 mm	30 mm	30 mm
Set-up plate material	stainless steel 1.4301	stainless steel 1.4301	stainless steel 1.4301
Set-up plate dimensions	120 x 470 mm	190 x 470 mm	280 x 470 mm
Dimensions (W x D x H)	120 x 570 x 60 mm	190 x 570 x 60 mm	280 x 570 x 60 mm
Weight	3 kg	5 kg	7 kg
Price	989,- EUR	1225,- EUR	1545,- EUR
	Ident. No. 3690500	Ident. No. 3691000	Ident. No. 3692500

Available
Q1/2013

Technical data	RT 5 IKAMAG®	RT 10 IKAMAG®	RT 15 IKAMAG®
Number of stirring positions	5	10	15
Max. stirring quantity (H ₂ O)	2 l	4 l	6 l
Distance between stirring places	90 mm	90 mm	90 mm
Deviation for individual stirring positions	0%	0%	0%
Speed range	0 – 1000 rpm	0 – 1000 rpm	0 – 1000 rpm
Speed / Temperature display	LED	LED	LED
Heat output	175 W	375 W	580 W
Temperature range heating plate	RT – 120 °C	RT – 120 °C	RT – 120 °C
Set-up plate material	Aluminium alloy	Aluminium alloy	Aluminium alloy
Set-up plate dimensions	110 x 495 mm	180 x 495 mm	270 x 495 mm
Dimensions (W x D x H)	120 x 610 x 60 mm	190 x 610 x 60 mm	280 x 610 x 60 mm
Weight	4 kg	7.5 kg	10.5 kg
Price	1073,- EUR	1405,- EUR	1718,- EUR
	Ident. No. 3690600	Ident. No. 3691100	Ident. No. 3692600

Overhead Stirrers

Designed to optimize complex stirring applications, IKA® offers the very best in overhead stirrer technology. Our overhead stirrers stand out because of their extraordinary features, which include: electronic safety circuit, digital display, two speed ranges, USB interface, removable wireless controller and many more.



External probe for connection to a temperature sensor for accurate temperature control



Brushless EC motor for longer life span, low maintenance and higher efficiency



Digital display for precise monitoring of set and actual speeds



For information about accessories, visit www.ika.com



Available Q1/2013

Technical data

Stirring quantity max. (H ₂ O)	15 l
Max. viscosity	10,000 mPas
Motor rating input / output	56 / 44 W
Speed range	30 – 2000 rpm
Max. torque at stirring shaft	20 Ncm
Display	LED
Chuck range	0.5 – 10 mm
Timer	no
Temperature measurement	no
Dimensions (W x D x H)	86 x 208 x 248 mm
Weight	4.4 kg

Price

599,- EUR

EUROSTAR 20 digital

Stirring quantity max. (H ₂ O)	15 l
Max. viscosity	10,000 mPas
Motor rating input / output	56 / 44 W
Speed range	30 – 2000 rpm
Max. torque at stirring shaft	20 Ncm
Display	LED
Chuck range	0.5 – 10 mm
Timer	no
Temperature measurement	no
Dimensions (W x D x H)	86 x 208 x 248 mm
Weight	4.4 kg

599,- EUR

Ident. No. 4442000

EUROSTAR 40 digital

Stirring quantity max. (H ₂ O)	25 l
Max. viscosity	30,000 mPas
Motor rating input / output	112 / 87 W
Speed range	30 – 2000 rpm
Max. torque at stirring shaft	40 Ncm
Display	LED
Chuck range	0.5 – 10 mm
Timer	no
Temperature measurement	no
Dimensions (W x D x H)	86 x 208 x 248 mm
Weight	4.4 kg

765,- EUR

Ident. No. 4444000

EUROSTAR 60 digital | control

Stirring quantity max. (H ₂ O)	40 l
Max. viscosity	50,000 mPas
Motor rating input / output	168 / 131 W
Speed range	30 – 2000 rpm
Max. torque at stirring shaft	60 Ncm
Display	LED
Chuck range	0.5 – 10 mm
Timer	no yes
Temperature measurement	no yes
Dimensions (W x D x H)	86 x 208 x 248 mm 86 x 230 x 267 mm
Weight	4.4 kg 4.7 kg

849,- EUR | 1175,- EUR

Ident. No. 4446000 | Ident. No. 4440000

Overhead Stirrers



Clockwise and counter clockwise rotation



Wireless Controller (WiCo)
Removable wireless controller for easy and user-friendly operation



Laboratory stirrer designed for highly viscous applications and intensive mixing



Extremely powerful laboratory stirrer designed with high torque



EUROSTAR 100 control

- > Clockwise and counter clockwise rotation
- > Wireless Controller (WiCo) for user-friendly operation
- > USB interface with the possibility to update the firmware
- > Brushless EC motor for longer life



The wireless controller can be separated from the overhead stirrer. This allows for working in a fume hood or safety cabinet without lifting the protective screen, which in turn helps protect the user from toxic material exposure in addition to preserving sample integrity.



Available Q1/2013

Technical data

Stirring quantity max. (H ₂ O)	100 l
Max. viscosity	70,000 mPas
Motor rating input / output	188 / 152 W
Speed range	30 – 1300 rpm
Max. torque at stirring shaft	100 Ncm
Torque trend display	LED
Chuck range	0.5 – 10 mm
Timer	no
Temperature measurement	no
Dimensions (W x D x H)	86 x 208 x 248 mm
Weight	4.4 kg

EUROSTAR 100 digital
100 l
70,000 mPas
188 / 152 W
30 – 1300 rpm
100 Ncm
LED
0.5 – 10 mm
no
no
86 x 208 x 248 mm
4.4 kg
1249,- EUR
Ident. No. 4238100

EUROSTAR 100 control
100 l
70,000 mPas
188 / 152 W
30 – 1300 rpm
100 Ncm
TFT
0.5 – 10 mm
yes
yes
86 x 230 x 267 mm
4.7 kg
1499,- EUR
Ident. No. 4028500

EUROSTAR 200 digital control
100 l
100,000 mPas
121 / 99 W
6 – 2000 rpm
200 Ncm
LED
0.5 – 10 mm
no yes
no trend
91 x 209 x 274 mm 91 x 230 x 274 mm
4.6 kg 4.9 kg
1565,- EUR 1765,- EUR
Ident. No. 3990000 Ident. No. 3992000

EUROSTAR 20 high speed digital
20 l
10,000 mPas
195 / 160 W
150 – 6000 rpm
20 Ncm
LED
0.5 – 10 mm
yes
no
86 x 208 x 325 mm
5.3 kg
996,- EUR
Ident. No. 4028600

EUROSTAR 200 P4 control
100 l
100,000 mPas
121 / 99 W
4 – 530 rpm
660 Ncm
TFT
0.5 – 10 mm
yes
trend
91 x 230 x 379 mm
5.8 kg
2395,- EUR
Ident. No. 4090000

RW 28 digital
80 l
50,000 mPas
220 / 90 W
60 – 1400 rpm
900 Ncm
LED
1 – 10 mm
no
no
123 x 364 x 252 mm
7.5 kg
1950,- EUR
Ident. No. 5040000

RW 47 digital
200 l
100,000 mPas
513 / 370 W
57 – 1300 rpm
3000 Ncm
LED
3 – 16 mm
no
no
145 x 358 x 465 mm
16 kg
3900,- EUR
Ident. No. 4050000

Rockers & Rollers

IKA® is proud to introduce a brand new series of Rollers, Rockers and Overhead Rotators. The wide range of Rocking, Rolling, Rotating and Shaking covers the entire spectrum of motions in mixing technology. IKA® has also added a sibling to its' voluminous incubator shaker KS 4000 i control and ic control.

Rocker 3D digital



Dual platform option expands workspace



Timer display for accurate and reproducible conditions



Three-dimensional tumbling rocking/see-saw motion



Touch keypad for easy operation



Rocking action



Rocking and Rolling



Rocking and rolling action



Timer display for accurate and reproducible conditions



C/T button for choosing the counter or the timer function



Removable rolls allow for the use of larger tubes

Roller 10 digital



Available Q1/2013



Available Q1/2013



Technical data

	Rocker 2D basic	Rocker 2D digital	Rocker 3D basic	Rocker 3D digital
Type of movement	rocking	rocking	tumbling	tumbling
Shaking diameter	8° (angle)	0 – 15° (angle)	8° (angle)	0 – 15° (angle)
Permissible shaking weight (incl. attachment)	2 kg	2 kg	2 kg	2 kg
Motor rating input / output	16 / 9 W	16 / 9 W	16 / 9 W	16 / 9 W
Permissible ON time	100%	100%	100%	100%
Speed range	5 – 80 rpm	0 – 80 rpm	30 rpm (fixed)	0 – 80 rpm
Speed display	7 segment LED	7 segment LED	none	7 segment LED
Timer	no	∞ / 1 s – 99.9 h	no	∞ / 1 s – 99.9 h
Timer display	none	7 segment LED	none	7 segment LED
Dimensions (W x D x H)	280 x 330 x 150 mm	280 x 330 x 150 mm	280 x 330 x 165 mm	280 x 330 x 185 mm
Weight	2.3 kg	2.3 kg	2.3 kg	2.3 kg
Price	395,- EUR	445,- EUR	475,- EUR	525,- EUR
	Ident. No. 4002000	Ident. No. 4003000	Ident. No. 4000000	Ident. No. 4001000

Technical data

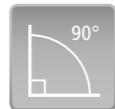
	Roller 6 basic	Roller 6 digital	Roller 10 basic	Roller 10 digital
Type of movement	rocking and rolling	rocking and rolling	rocking and rolling	rocking and rolling
Shaking diameter	24.5 mm (high)	24.5 mm (high)	24.5 mm (high)	24.5 mm (high)
Permissible shaking weight (incl. attachment)	2 kg	2 kg	2 kg	2 kg
Motor rating input / output	16 / 9 W	16 / 9 W	16 / 9 W	16 / 9 W
Permissible ON time	100%	100%	100%	100%
Speed range	30 rpm (fixed)	0 – 80 rpm	30 rpm (fixed)	0 – 80 rpm
Speed display	none	7 segment LED	none	7 segment LED
Timer	no	∞ / 1 s – 99.9 h	no	∞ / 1 s – 99.9 h
Timer display	none	7 segment LED	none	7 segment LED
Dimensions (W x D x H)	240 x 545 x 115	240 x 545 x 115	380 x 545 x 115 mm	380 x 545 x 115 mm
Weight	4 kg	4 kg	6 kg	6 kg
Price	795,- EUR	895,- EUR	985,- EUR	1085,- EUR
	Ident. No. 4010000	Ident. No. 4011000	Ident. No. 4012000	Ident. No. 4013000

Trayster, Loopster & Incubator shakers

Loopster digital



Choice of tube holders to hold a number of different sized tubes



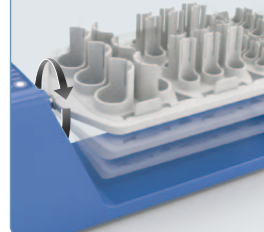
90 degree adjustable mixing angle



Touch keypad for easy operation



Type of motion



Available Q2/2013

Technical data

Type of movement	rotating
Permissible shaking weight (incl. attachment)	2 kg
Motor rating input / output	16 / 9 W
Permissible ON time	100%
Speed range	20 rpm (fixed)
Speed display	none
Timer	no
Timer display	none
Dimensions (W x D x H)	460 x 160 x 150
Weight	1.7 kg

Price

Trayster basic

Type of movement	rotating
Permissible shaking weight (incl. attachment)	2 kg
Motor rating input / output	16 / 9 W
Permissible ON time	100%
Speed range	20 rpm (fixed)
Speed display	none
Timer	no
Timer display	none
Dimensions (W x D x H)	460 x 160 x 150
Weight	1.7 kg

359,- EUR

Ident. No. 4005000

Trayster digital

Type of movement	rotating
Permissible shaking weight (incl. attachment)	2 kg
Motor rating input / output	16 / 9 W
Permissible ON time	100%
Speed range	0 – 80 rpm
Speed display	7 segment LED
Timer	∞ / 1 s – 99.9 h
Timer display	7 segment LED
Dimensions (W x D x H)	460 x 160 x 150
Weight	1.7 kg

495,- EUR

Ident. No. 4006000

Loopster basic

Type of movement	rotating
Permissible shaking weight (incl. attachment)	2 kg
Motor rating input / output	16 / 9 W
Permissible ON time	100%
Speed range	20 rpm (fixed)
Speed display	none
Timer	no
Timer display	none
Dimensions (W x D x H)	300 x 300 x 360 mm
Weight	3 kg

295,- EUR

Ident. No. 4015000

Loopster digital

Type of movement	rotating
Permissible shaking weight (incl. attachment)	2 kg
Motor rating input / output	16 / 9 W
Permissible ON time	100%
Speed range	0 – 80 rpm
Speed display	7 segment LED
Timer	∞ / 1 s – 99.9 h
Timer display	7 segment LED
Dimensions (W x D x H)	300 x 300 x 360 mm
Weight	3 kg

395,- EUR

Ident. No. 4016000

Orbital action



For information about accessories, visit www.ika.com

KS 3000 ic control



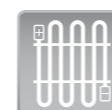
Assure highly accurate temperature control



USB interface to control and document rheological changes and other parameters using labworldsoft® software and for updating the firmware



Wide range of attachments allows for using almost all shapes and sizes of vessels



Built-in cooling coil for connection to an external cooling unit

Available Q1/2013

Technical data

Orbital diameter	20 mm
Motor rating input / output	45 / 10 W
Speed range	10 – 500 rpm
Timer display	LED
Time setting range	1 s – 999 h
Heating temperature range	RT +5 – 80 °C
Heat output	1000 W
Dimensions (W x D x H)	465 x 695 x 430 mm
Weight	35 kg
Interface	RS 232, USB

Price

KS 3000 i control

Orbital diameter	20 mm
Motor rating input / output	45 / 10 W
Speed range	10 – 500 rpm
Timer display	LED
Time setting range	1 s – 999 h
Heating temperature range	RT +5 – 80 °C
Heat output	1000 W
Dimensions (W x D x H)	465 x 695 x 430 mm
Weight	35 kg
Interface	RS 232, USB

3525,- EUR

Ident. No. 3940000

KS 3000 ic control

Orbital diameter	20 mm
Motor rating input / output	45 / 10 W
Speed range	10 – 500 rpm
Timer display	LED
Time setting range	1 s – 999 h
Heating temperature range	RT -10 – 80 °C
Heat output	1000 W
Dimensions (W x D x H)	465 x 695 x 430 mm
Weight	37 kg
Interface	RS 232, USB

4325,- EUR

Ident. No. 3940100



Dispersers

The IKA® range of dispersers are used for volumes ranging from 0.5 to 50,000 ml (H₂O). Due to their broad spectrum of dispersing tools, IKA® dispersers are highly effective for a variety of uses. The unique and patented ULTRA-TURRAX® Tube Drive system is the world's first disperser system with disposable and sealed sample tubes.



reddot design award
winner 2012

T 25
digital

Digital
Display

Digital display for
precise monitoring of
set and actual speeds



Wide selection of
dispersing tools to suit
your application



Motor protection against
overload



Quick-connect coupling
to exchange dispersing
tools easily



Available
Q1/2013



Technical data

Motor rating input / output
Volume range (H₂O)
Speed range
Speed display
Noise without element
Dimensions (W x D x H)
Weight
Protect. class DIN EN 60529

T 18 digital

500 / 300 W
100 – 1500 ml
500 – 25,000 rpm
LED
73 dB (A)
100 x 68 x 275 mm
2.5 kg
IP 20

T 25 digital

800 / 500 W
100 – 2000 ml
500 – 25,000 rpm
LED
73 dB(A)
100 x 68 x 275 mm
2.5 kg
IP 20

T 10 basic

125 / 75 W
0.5 – 100 ml
8000 – 30,000 rpm
scale
65 dB(A)
56 x 66 x 178 mm
0.5 kg
IP 30

Price

795,- EUR

1195,- EUR

885,- EUR

Ident. No. 3720000

Ident. No. 3725000

Ident. No. 3737000

Dispersers



Technical data

Motor rating input / output	1000 / 700 W
Volume range (H ₂ O)	0.25 – 30 l
Speed range	500 – 10,000 rpm
Speed display	LED
Noise without element	72 dB(A)
Dimensions (W x D x H)	342 x 102 x 355 mm
Weight	6 kg
Protect. class DIN EN 60529	IP 20

Price

T 50 digital
1000 / 700 W
0.25 – 30 l
500 – 10,000 rpm
LED
72 dB(A)
342 x 102 x 355 mm
6 kg
IP 20
1890,- EUR
Ident. No. 3787000

T 65 basic
1800 / 1500 W
2 – 50 l
7200 rpm (fixed)
–
75 dB(A)
185 x 400 x 450 mm
26 kg
IP 54
2865,- EUR
Ident. No. 4023500

T 65 digital
2200 / 1900 W
2 – 50 l
1000 – 9500 rpm
LED
75 dB(A)
185 x 400 x 390 mm
29 kg
IP 54
3150,- EUR
Ident. No. 4234500



Available
Q1/2013



Available
Q2/2013

Mills

IKA® introduces the world's first disposable grinding tube system which eliminates the possibility of cross-contamination and saves on associated cleaning costs. Anticipate our newly created A 10 basic mill with enhanced safety features.



Adjustable safety speed and time



Interval operation



Special safety features

Available
Q1/2013



Technical data

Motor rating input / output	500 / 400 W
Speed range	22,000 rpm (fixed)
Speed display	no
Useful volume	50 ml
Duty cycle (ON / OFF)	10 min
Overload protection	yes
Circumferential speed	63 m/s
Max. feed hardness	9 Mohs
Max. feed grain size	6 mm
Grinding chamber material	stainless steel (AISI 14301)
Dimensions (W x D x H)	130 x 145 x 250 mm
Weight	3.0 kg

Price

A 10 basic
500 / 400 W
22,000 rpm (fixed)
no
50 ml
10 min
yes
63 m/s
9 Mohs
6 mm
stainless steel (AISI 14301)
130 x 145 x 250 mm
3.0 kg
1399,- EUR
Ident. No. 4020700

Tube Mill control
175 / 123 W
5000 – 25,000 rpm
digital
40 ml
5 s – 5 min (timer)
yes
65 m/s
5 Mohs
10 mm
Transparent plastic (PP)
180 x 300 x 170 mm
2.7 kg
996,- EUR
Ident. No. 4180000

World's first



Tube Mill control

- > Disposable grinding chamber
- > Stops cross-contamination
- > No cleaning required
- > USB interface with the possibility to update the firmware





IKA® offers an exemplary and diverse range of dry block heaters designed to accommodate various interchangeable heating blocks. They provide precise temperature control for reproducible results.

Dry Block Heaters



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

Dry Block Heater 3



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



External probe for accurate temperature control



For information about accessories, visit www.ika.com

Available Q1/2013



Technical data

Number of blocks
Heat output
Heating temperature range
Heat control
Heat control accuracy
Connection for ext. temperature sensor
Control accuracy with sensor
Material of the blocks
Timer
Dimensions (W x D x H)

Dry Block Heater 1

1
150 W
RT to 120 °C
LED
1 ± K
DIN 12878

Dry Block Heater 2

2
250 W
RT to 120 °C
LED
1 ± K
DIN 12878

Dry Block Heater 3

3
300 W
RT to 120 °C
LED
1 ± K
DIN 12878

Dry Block Heater 4

4
375 W
RT to 120 °C
LED
1 ± K
DIN 12878

Price

599,- EUR

Ident. No. 4025100

695,- EUR

Ident. No. 4025200

785,- EUR

Ident. No. 4025300

995,- EUR

Ident. No. 4025400

Thermostats

IKA® is proud to introduce several high-precision temperature control systems from -30 °C to +250 °C. This new product range consists of heating baths and immersion circulators, refrigerated circulators and combined refrigerating and heating bath circulators. The sophisticated combination of precise technology and user-friendly design simplifies the temperature control of every application.

IKA® facilitates the configuration of your temperature control system by offering "ready for connection" packages with all necessary accessories.



Available Q1/2013

IC control



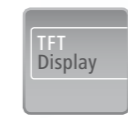
Removable wireless controller (WiCo) for easy and safe operation



Flexible bath bridge enables easy mounting to different water baths



USB / RS 232 interface for PC control and documentation using labworldsoft® software and for online firmware-update



Large easy-to-read TFT display



Available Q3/2013



Available Q1/2013



Available Q1/2013



Available Q1/2013



Technical data	ICC basic control	IC basic control	HBC 5 basic control	HBC 10 basic control
Appliance type	compact immersion circulator	immersion circulator	heating bath circulator	heating bath circulator
Cooling capacity at 20 °C	-	-	-	-
Heat output	2000 / 1000 W	2500 / 1200 W	2500 / 1200 W	2500 / 1200 W
Temperature range	RT - 100 °C RT - 150 °C (20 °C with cooling coil*)	RT - 200 °C RT - 250 °C (20 °C with cooling coil*)	20 - 200 °C 20 - 250 °C (with integrated cooling coil*)	20 - 200 °C 20 - 250 °C (with integrated cooling coil*)
Temperature display	LED TFT	LED TFT	LED TFT	LED TFT
Temperature stability DIN 12876	±0.03 K ±0.01 K	±0.02 K ±0.01 K	±0.02 K ±0.01 K	±0.02 K ±0.01 K
Bath volume range	depends on used bath	depends on used bath	5 - 7 l	8 - 13 l
Max. flow rate (at 0 bar)	20 l/min	20 l/min 26 l/min	20 l/min 26 l/min	20 l/min 26 l/min
Max. pump pressure	0.2 bar	0.5 bar 0.7 bar	0.5 bar 0.7 bar	0.5 bar 0.7 bar
Min. suction	0.18 bar	0.3 bar 0.4 bar	0.3 bar 0.4 bar	0.3 bar 0.4 bar
Dimensions (W x D x H)	147 x 158 x 340 mm	245 x 260 x 300 mm	245 x 260 x 300 mm	275 x 510 x 455 mm
USB interface	yes	yes	yes	yes
Price	696,- EUR 949,- EUR	1996,- EUR 2198,- EUR	1549,- EUR 2549,- EUR	1598,- EUR 2598,- EUR
	Ident. No. 4134400 4136600	Ident. No. 3861000 3863000	Ident. No. 4125000 4127000	Ident. No. 4135000 4137000

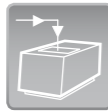
* Lower working temperatures possible with connection of a chiller

Thermostats

Available
Q3/2013



RC 5
control



Easily accessible filling port at the top of the unit with a protective lid



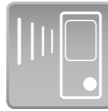
Removable venting grid for easy cleaning



Large easy-to-read TFT display



Quiet operation



Removable wireless controller (WiCo) for convenient and user-friendly operation

Available
Q3/2013



Available
Q4/2013

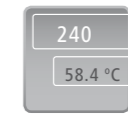


Technical data	RC 2 basic control	RC 5 basic control	CBC 5 basic control	CBC 10 basic control
Appliance type	refrigerated circulator	refrigerated circulator	combined refrigerating and heating bath circulator	combined refrigerating and heating bath circulator
Cooling capacity at 20 °C	350 W	600 W	350 W	600 W
Heat output	–	–	2500 / 1200 W	2500 / 1200 W
Temperature range	-20 – 40 °C	-20 – 40 °C	-30 – 200 °C	-30 – 200 °C
Temperature display	LED TFT	LED TFT	LED TFT	LED TFT
Temperature stability DIN 12876	±0.5 K	±0.5 K	–	–
Bath volume range	1.4 – 4 l	–	–	–
Max. flow rate (at 0 bar)	20 l/min	–	–	–
Max. pump pressure	0.2 bar	–	–	–
Min. suction	0.18 bar	–	–	–
Dimensions (W x D x H)	220 x 450 x 478 mm	–	–	–
USB interface	yes	yes	yes	yes
Price	2419,- EUR 2649,- EUR	Price on request	Price on request	Price on request
	Ident. No. 4171000 4173000	Ident. No. 4181000 4183000	Ident. No. 4165000 4167000	Ident. No. 4175000 4177000



Rotary Evaporators | RV 8

IKA® is pleased to introduce the RV 8 rotary evaporator. The RV 8, a functional basic model with manual lift and adjustable immersion angle, is the most economic option in our range. For fully automated distillation, IKA® has developed a new RV 10 control with direct connection to a speed controlled pump and automatic boiling point detection.



Two digital displays for an optimal overview



Key-button with locking function for the heating bath temperature



Adjustable immersion angle and height



Compatible with the complete range of IKA® RV 10 glassware



One-hand lifting mechanism with ambidextrous design



Heating bath can be used as a stand-alone unit and has integrated ergonomic carrying handles

Technical data

Drive	
Motor type	brushless DC drive motor
Motor rating input	50 W
Speed range	5 – 300 rpm
Speed display	digital
Clockwise and counter-clockwise	no
Smooth start	yes
Head angle adjustable	0 to 45°
Stroke displacement	130 mm, manual
Setting of lower end stop	no
Vacuum controller	optional
Heating bath	
Bath volume max.	3 l
Temperature range	RT to 180 °C
Heating power	1300 W

Price	
	1795,- EUR ^{P1}
	1895,- EUR ^{P2}
	1699,- EUR ^{P3}

- ^{P1} Package 1 with vertical glassware
Ident. No. 8033800
- ^{P2} Package 2 with vertical coated glassware
Ident. No. 8034200
- ^{P3} Package 3 without glassware (FLEX)
Ident. No. 8033400

Rotary Evaporators | RV 10 control



IKA+

- > RV 10 control with enhanced features
- > Automatic solvent boiling point detection
- > Integrated solvent library (extendible by the customer)
- > Direct connection to a speed-controlled pump
- > Online firmware-update via USB possible

Available
Q1/2013



For information
about accessories,
visit www.ika.com

Technical data

Drive

Motor type	brushless DC drive motor
Motor rating input	50 W
Speed range	20 – 280 rpm
Speed display	digital
Clockwise and counter-clockwise	yes
Smooth start	yes
Head angle adjustable	0 to 45°
Stroke displacement	140 mm, motorised
Setting of lower end stop	60 mm, contact free
Vacuum controller	integrated

Heating bath

Bath volume max.	3 l
Temperature range	RT to 180 °C
Heating power	1300 W

Price

3648,- EUR ^{P1}
3876,- EUR ^{P2}
2963,- EUR ^{P3}

- ^{P1} RV 10 control V
Ident. No. 8037700
- ^{P2} RV 10 control V-C
Ident. No. 8037900
- ^{P3} RV 10 control FLEX
Ident. No. 8038100

RV 10 control + RV 10.4002 Magnetic valve

RV 10 control + N 920 Speed controlled pump

Motor type	brushless DC drive motor
Motor rating input	50 W
Speed range	20 – 280 rpm
Speed display	digital
Clockwise and counter-clockwise	yes
Smooth start	yes
Head angle adjustable	0 to 45°
Stroke displacement	140 mm, motorised
Setting of lower end stop	60 mm, contact free
Vacuum controller	integrated

Bath volume max.	3 l
Temperature range	RT to 180 °C
Heating power	1300 W

6495,- EUR ^{P1}
6695,- EUR ^{P2}
6295,- EUR ^{P3}

- ^{P1} RV 10 control V auto
Ident. No. 8037800
- ^{P2} RV 10 control V-C auto
Ident. No. 8038000
- ^{P3} RV 10 control FLEX auto
Ident. No. 8038200



Pipettes | ALPHA

Pipettes | PRECISION

IKA® ALPHA Series

Fully autoclavable for easy sterilization

Ultra light weight and ergonomic design



IKA® offers the most comprehensive range of fixed and variable volume pipettes: single channel (0.1 – 10,000 µl) and multichannel (0.5 – 300 µl) for assured versatility. The effortlessly operated pipettes provide superior accuracy, precision and safety. Easy to sterilize, the ultra light-weight pipettes are ergonomically designed for efficacy and efficiency.

UV Resistant
Resistant to UV radiation for enhanced durability

Volume range color coding for easy pipette selection

IKA® PRECISION Series

Ultra light weight and ergonomic design for comfortable control

Locking mechanism prevents accidental volume change

Fully autoclavable for easy sterilization

Clear 4 digit display for volume setting

Specially engineered plastics increase resistance to chemical and physical corrosion

ISO 8655
Supplied with individual quality certificate (QC) and calibration report as per ISO 8655



IKA® ALPHA fix



Variations	
IKA® ALPHA fix 5 µl	●
IKA® ALPHA fix 10 µl	●
IKA® ALPHA fix 20 µl	●
IKA® ALPHA fix 25 µl	●
IKA® ALPHA fix 50 µl	●
IKA® ALPHA fix 100 µl	●
IKA® ALPHA fix 200 µl	●
IKA® ALPHA fix 250 µl	●
IKA® ALPHA fix 500 µl	●
IKA® ALPHA fix 1000 µl	●
IKA® ALPHA fix 2000 µl	●
IKA® ALPHA fix 5000 µl	●
IKA® ALPHA fix 10000 µl	●

Price Ident. No.
59,- EUR Ident. No. 4390000
59,- EUR Ident. No. 4390100
59,- EUR Ident. No. 4390200
59,- EUR Ident. No. 4390300
59,- EUR Ident. No. 4390400
59,- EUR Ident. No. 4390500
59,- EUR Ident. No. 4390600
59,- EUR Ident. No. 4390700
59,- EUR Ident. No. 4390800
59,- EUR Ident. No. 4390900
64,- EUR Ident. No. 4391000
64,- EUR Ident. No. 4391100
64,- EUR Ident. No. 4391200

IKA® ALPHA vario



Variations	
IKA® ALPHA vario 2 – 20 µl	●
IKA® ALPHA vario 5 – 10 µl	●
IKA® ALPHA vario 5 – 50 µl	●
IKA® ALPHA vario 10 – 100 µl	●
IKA® ALPHA vario 20 – 200 µl	●
IKA® ALPHA vario 50 – 200 µl	●
IKA® ALPHA vario 100 – 1000 µl	●
IKA® ALPHA vario 200 – 1000 µl	●
IKA® ALPHA vario 500 – 5000 µl	●
IKA® ALPHA vario 500 – 10000 µl	●
IKA® ALPHA vario 1000 – 5000 µl	●
IKA® ALPHA vario 1000 – 10000 µl	●

Price Ident. No.
79,- EUR Ident. No. 4392600
79,- EUR Ident. No. 4392000
79,- EUR Ident. No. 4392100
79,- EUR Ident. No. 4392400
79,- EUR Ident. No. 4392700
79,- EUR Ident. No. 4392200
79,- EUR Ident. No. 4392500
79,- EUR Ident. No. 4392300
84,- EUR Ident. No. 4392900
84,- EUR Ident. No. 4393100
84,- EUR Ident. No. 4392800
84,- EUR Ident. No. 4393000

IKA® PRECISION fix



Variations	
IKA® PRECISION fix 2.5 µl	●
IKA® PRECISION fix 5 µl	●
IKA® PRECISION fix 10 µl	●
IKA® PRECISION fix 20 µl	●
IKA® PRECISION fix 25 µl	●
IKA® PRECISION fix 50 µl	●
IKA® PRECISION fix 100 µl	●
IKA® PRECISION fix 200 µl	●
IKA® PRECISION fix 250 µl	●
IKA® PRECISION fix 500 µl	●
IKA® PRECISION fix 1000 µl	●
IKA® PRECISION fix 2000 µl	●
IKA® PRECISION fix 5000 µl	●
IKA® PRECISION fix 10000 µl	●

Price Ident. No.
63,- EUR Ident. No. 4394000
63,- EUR Ident. No. 4394100
63,- EUR Ident. No. 4394200
63,- EUR Ident. No. 4394300
63,- EUR Ident. No. 4394400
63,- EUR Ident. No. 4394500
63,- EUR Ident. No. 4394600
63,- EUR Ident. No. 4394700
63,- EUR Ident. No. 4394800
63,- EUR Ident. No. 4394900
63,- EUR Ident. No. 4395000
71,- EUR Ident. No. 4395100
71,- EUR Ident. No. 4395200
71,- EUR Ident. No. 4395300

IKA® PRECISION vario



Variations	
IKA® PRECISION vario 0.1 – 2.5 µl	●
IKA® PRECISION vario 0.5 – 10 µl	●
IKA® PRECISION vario 2 – 20 µl	●
IKA® PRECISION vario 5 – 50 µl	●
IKA® PRECISION vario 10 – 100 µl	●
IKA® PRECISION vario 20 – 200 µl	●
IKA® PRECISION vario 100 – 1000 µl	●
IKA® PRECISION vario 500 – 5000 µl	●
IKA® PRECISION vario 1000 – 10000 µl	●

Price Ident. No.
99,- EUR Ident. No. 4396000
99,- EUR Ident. No. 4396100
99,- EUR Ident. No. 4396500
99,- EUR Ident. No. 4396200
99,- EUR Ident. No. 4396300
99,- EUR Ident. No. 4396600
99,- EUR Ident. No. 4396400
104,- EUR Ident. No. 4396700
104,- EUR Ident. No. 4396800

Pipettes | PRECISION Multichannel



IKA® Multichannel series

- > Comfortable finger rest and soft comfort grip
- > Durable and shock proof tip cone
- > Can be freely rotated 360 degrees for flexible use

IKA® PRECISION MC 8



Variations

IKA® PRECISION MC 8 0.5 – 10 µl	●
IKA® PRECISION MC 8 5 – 50 µl	●
IKA® PRECISION MC 8 10 – 100 µl	●
IKA® PRECISION MC 8 20 – 200 µl	●
IKA® PRECISION MC 8 30 – 300 µl	●

Price | Ident. No.

249,- EUR Ident. No. 4398000
249,- EUR Ident. No. 4398100
249,- EUR Ident. No. 4398200
249,- EUR Ident. No. 4398300
249,- EUR Ident. No. 4398400



IKA® PRECISION MC 12



Variations

IKA® PRECISION MC 12 0.5 – 10 µl	●
IKA® PRECISION MC 12 5 – 50 µl	●
IKA® PRECISION MC 12 10 – 100 µl	●
IKA® PRECISION MC 12 20 – 200 µl	●
IKA® PRECISION MC 12 30 – 300 µl	●

Price | Ident. No.

349,- EUR Ident. No. 4399000
349,- EUR Ident. No. 4399100
349,- EUR Ident. No. 4399200
349,- EUR Ident. No. 4399300
349,- EUR Ident. No. 4399400

IKA® range of pipette tips includes both filter and non-filter tips. They provide more accurate sample dispensing and increased level of reproducibility.

In addition, they are easier to load and eject for reduced hand fatigue. The filtered tips are essential in critical applications, such as PCR, forensics, DNA amplification, clinical diagnostics, etc to ensure protection of samples and pipettes against cross-contamination.

Laboratory Reactors

IKA® LR 1000 basic | control

Technical data	
Usable volume	300 – 1000 ml
Max. working temperature	120 °C
Attainable vacuum	25 mbar
Max. viscosity	100,000 mPas
Speed range	10 – 150 rpm
Min. adjustable speed	10 rpm
Display	LED TFT
Material in contact with medium	AISI 316L, borosilicate glass 3.3, PTFE, FKM
Heat output	1000 W
Heat control accuracy	1 ±K
Connection for ext. temperature sensor	PT 100
Temperature measurement resolution	0.1 K
Min. cooling medium temperature	3 °C
Support rod diameter (with integrated fastening on stand)	16 mm
Dimensions (W x D x H)	443 x 295 x 360 mm
Weight	16 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class according to DIN EN 60529	IP 21
USB and RS 232 interface	no yes
Voltage	230 V
Frequency	50/60 Hz
Power input	1200 W

Price

Price on request

Ident. No. 3600000 | 3601000



Large, easy-to-read TFT display for better image quality and easy navigation



Integrated weighing function



Possibility to connect pH electrode



USB interface to control and document rheological changes and other parameters using labworldsoft® software and for updating your firmware

Calorimeter | C1



The C 1 oxygen bomb calorimeter is a little giant that sets new standards for the industry. The C 1 represents the smallest isoperibol static jacket calorimeter in the world. However, the new C 6000 global standards and C 6000 isoperibol calorimeters follow the traditional calorimetric approach.



The traditional heavy screw threaded bomb is now replaced by a light combustion chamber



Automatic oxygen filling, venting and flushing



Interfaces for PC (USB-B), printer (serial interface), balance (serial interface)



Available
Q1/2013

For information
about accessories,
visit www.ika.com

Technical data

Maximum energy input
Power ON-time
Operating oxygen pressure
Display
Multifunctional push & turn dial
Operator time
Measurements per hour

C 1

40,000 J
continuous operation
30 bar
color display
yes
< 1 min
Isoperibolic (Regnault Pfaundler) 5

Price

8900,- EUR

Ident. No. 3825000

Calorimeter | C 6000



Easy and convenient touch screen operation



SD Card slot for additional data management



Software provides control chart view and correction calculation of globally used standards



RFID technology used for decomposition vessel identification

Available
Q1/2013



C 6000 global standards

- > Easy bomb preparation due to new "turned around" crucible holder technology
- > Decomposition vessel with spherical top for faster heat transfer

Technical data	
Maximum energy input	40,000 J
Powe ON-time	continuous operation
Operating oxygen pressure	30 bar
Display	touch screen
Operator time	< 1 min
Measurements per hour	Adiabatic (Only global standards) 4 Isoperibolic (Regnault Pfaundler) 3 Dynamic 7

Price

Package prices starts at 24600,- EUR

C 6000 isoperibol Ident. No. 4025000
C 6000 global standards Ident. No. 3780000

Technical data

Maximum energy input	40,000 J
Resolution of temperature sensor PT 1000	0.0001
Powe ON-time	continuous operation
Operating oxygen pressure	30 bar
Display	TFT
Multifunctional push & turn dial	yes

Measuring modes

Isoperibol (Regnault Pfaundler)

Start temperature settings

2 possible settings: 22 °C or 30 °C

Operator time

< 1 min

Measurements per hour

Isoperibol (Regnault Pfaundler) 5

Jacket control

static, dry

Reproducibility (using NIST benzoic acid 39j)

Isoperibol (Regnault Pfaundler) 0.1% RSD

Number of decomposition vessel per unit

up to 4

Halogen resistant and catalytic activated vessels available?

yes

Decomposition vessel ID

manual

Interfaces

PC	USB-B
Printer	9 pin (M) RS 232 serial
Balance	9 pin (M) RS 232 serial
Ethernet	–
for external keyboard or mouse	–
sample rack	–
Update & service interfacet	yes
SD-Card	–
external water heater	yes
Automatic oxygen filling	yes
Automatic oxygen venting	yes
Automatic oxygen flushing	yes
Automatic water filling	yes
Automatic water drain	yes
Automatic ignition and ignition energy determination for each experiment	yes

Operated with KV 600

Water pressure from Chiller	0.3 bar
Temperature setting: isoperibol 22 °C	20.5 °C
Temperature setting: isoperibol 30 °C	28.5 °C
Cooling medium	tap water

Operated with tap water and C 1.20 waterheater

Tap water temperature range	12 – 28 °C
Water pressure max.	1 – 1.5 bar
Water pressure min.	–
Water consumption per experiment	approx. 4 L

General Data

Languages	D, E, Fr, Sp, Chi, Rus, Pol, I
Dimensions opened (W x D x H)	290 x 350 x 400 mm
Dimensions closed (W x D x H)	290 x 350 x 270 mm
Weight	15 kg
Ambient temperature	20 – 25 °C
Ambient humidity	80%
Protection class according to DIN EN 60529	IP 20
Voltage	100 – 240 V
Frequency	50/60 Hz
Power Input	150 W
DC Voltage	24 V

C 1

Maximum energy input	40,000 J
Resolution of temperature sensor PT 1000	0.0001
Powe ON-time	continuous operation
Operating oxygen pressure	30 bar
Display	TFT with touch screen
Multifunctional push & turn dial	–

Measuring modes

Isoperibol (Regnault Pfaundler)

Start temperature settings

2 possible settings: 22 °C or 30 °C

Operator time

< 1 min

Measurements per hour

Isoperibol (Regnault Pfaundler) 5

Jacket control

static, dry

Reproducibility (using NIST benzoic acid 39j)

Isoperibol (Regnault Pfaundler) 0.1% RSD

Number of decomposition vessel per unit

up to 4

Halogen resistant and catalytic activated vessels available?

yes

Decomposition vessel ID

automatic (RFID)

Interfaces

PC	USB-B
Printer	9 pin (M) RS 232 serial
Balance	9 pin (M) RS 232 serial
Ethernet	yes
for external keyboard or mouse	yes
sample rack	yes
Update & service interfacet	–
SD-Card	yes
external water heater	–
Automatic oxygen filling	yes
Automatic oxygen venting	yes
Automatic oxygen flushing	yes
Automatic water filling	yes
Automatic water drain	yes
Automatic ignition and ignition energy determination for each experiment	yes

Operated with KV 600

Water pressure from Chiller	0.3 bar
Temperature setting: isoperibol 22 °C	20.5 °C
Temperature setting: isoperibol 30 °C	28.5 °C
Cooling medium	tap water

Operated with tap water and C 1.20 waterheater

Tap water temperature range	12 – 28 °C
Water pressure max.	1 – 1.5 bar
Water pressure min.	–
Water consumption per experiment	approx. 4 L

General Data

Languages	D, E, Fr, Sp, Chi, Rus, Pol, I
Dimensions opened (W x D x H)	290 x 350 x 400 mm
Dimensions closed (W x D x H)	290 x 350 x 270 mm
Weight	15 kg
Ambient temperature	20 – 25 °C
Ambient humidity	80%
Protection class according to DIN EN 60529	IP 20
Voltage	100 – 240 V
Frequency	50/60 Hz
Power Input	150 W
DC Voltage	24 V

C 6000 isoperibol | C 6000 global standards

Maximum energy input	40,000 J
Resolution of temperature sensor PT 1000	0.0001
Powe ON-time	continuous operation
Operating oxygen pressure	30 bar
Display	TFT with touch screen
Multifunctional push & turn dial	–

Measuring modes

Adiabatic (Only global standards)
Isoperibol
Dynamic

Start temperature settings

3 possible settings: 22 °C, 25 °C, 30 °C

Operator time

< 1 min

Measurements per hour

Adiabatic (Only global standards) 4

Isoperibolic (Regnault Pfaundler) 3

Dynamic 7

Jacket control

controlled, water

Reproducibility (using NIST benzoic acid 39j)

Adiabatic (Only global standards) 0.05%

Isoperibol (Regnault Pfaundler) 0.05%

Dynamic 0.1%

Number of decomposition vessel per unit

up to 4

Halogen resistant and catalytic activated vessels available?

yes

Decomposition vessel ID

automatic (RFID)

Interfaces

PC	9 pin (M) RS 232 serial
Printer	USB-B
Balance	9 pin (M) RS 232 serial
Ethernet	yes
for external keyboard or mouse	yes
sample rack	yes
Update & service interfacet	–
SD-Card	yes
external water heater	–
Automatic oxygen filling	yes
Automatic oxygen venting	yes
Automatic oxygen flushing	yes
Automatic water filling	yes
Automatic water drain	yes
Automatic ignition and ignition energy determination for each experiment	yes

Operated with KV 600

Water pressure from Chiller	0.3 bar
Temperature setting: isoperibol 22 °C	–
Temperature setting: isoperibol 30 °C	–
Cooling medium	tap water or distilled with Aqua Pro C 5003.1

Operated with tap water and C 1.20 waterheater

Tap water temperature range	–
Water pressure max.	–
Water pressure min.	–
Water consumption per experiment	–

General Data

Languages	D, E, Fr, Sp, Chi, Rus, Pol, I
Dimensions opened (W x D x H)	500 x 450 x 620 mm
Dimensions closed (W x D x H)	500 x 450 x 420 mm
Weight	35 kg
Ambient temperature	20 – 25 °C
Ambient humidity	80%
Protection class according to DIN EN 60529	IP 20
Voltage	200 – 240 V
Frequency	50/60 Hz
Power Input	2000 W
DC Voltage	–

Centrifuge | mini G



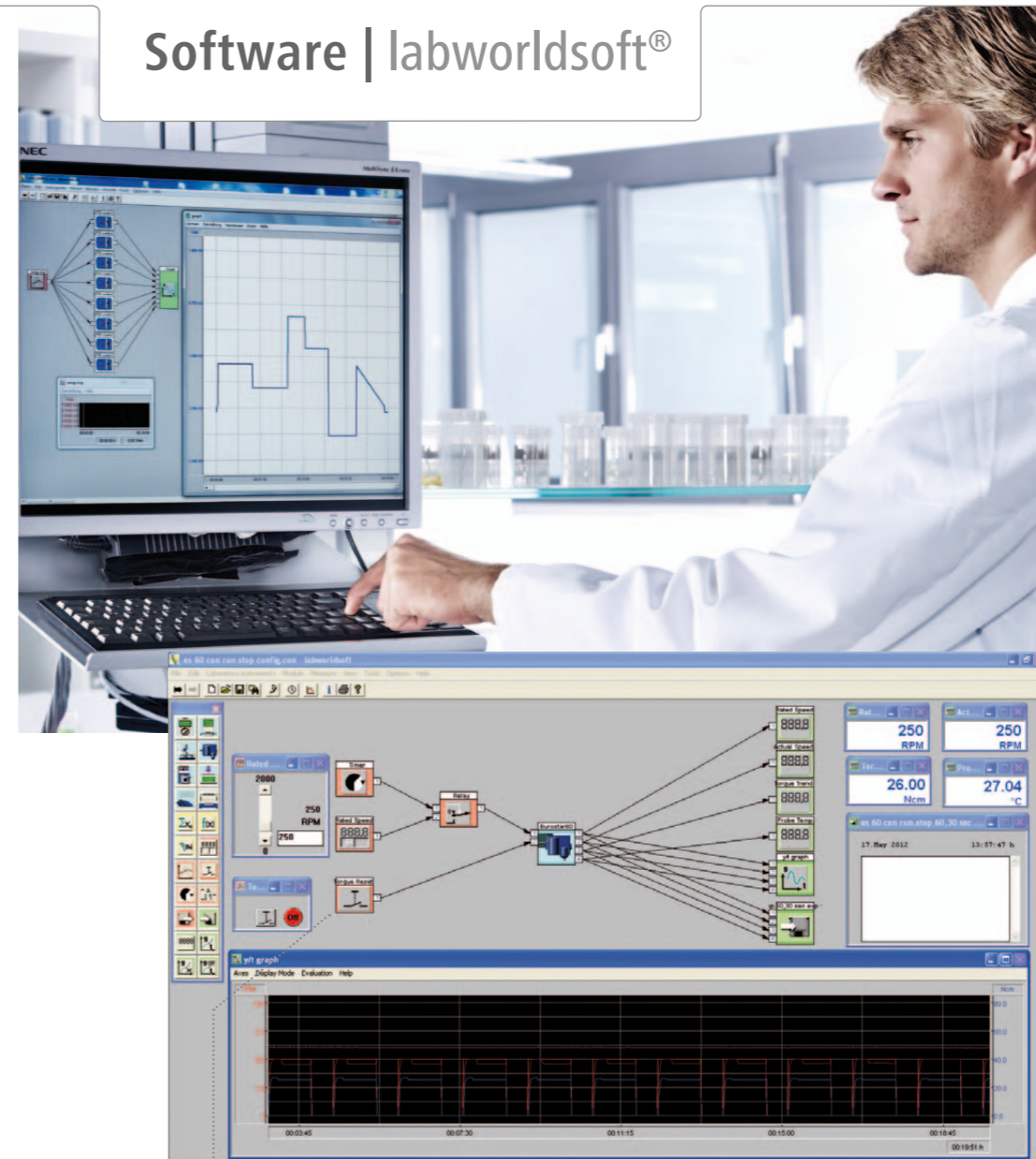
For information about accessories, visit www.ika.com




IKA® introduces a brand new mini centrifuge ideal for applications which do not require ultra high speeds e.g., micro-filtrations and cell separation. The unit features a compact design and a small footprint which requires minimal bench space. It can be used for both microcentrifuge and PCR strip tubes.

Technical data	mini G
Capacity	8 x 2.0 ml
Permitted density	1.2 kg / dm ³
Centrifugal acceleration	2000 G
Max. kinetic energy	20 Nm
Motor rating input / output	12 / 8 W
Fixed speed	6000 rpm
Reversible direction of rotation	no
Dimensions (W x D x H)	155 x 175 x 105 mm
Weight	1.4 kg
Price	199,- EUR
	Ident. No. 3958000



Software | labworldsoft®



-  **Red module** represents manual and automatic control
-  **Blue module** signifies that the laboratory device is interfaced
-  **Green module** is for numeric graphic displays of measured



Price: 1046,- EUR

Ident. No. 2970000

Manufacturers with interface devices compatible to labworldsoft®:

- Ahlborn
- Delphin Technology AG
- Ehret
- Eyela
- Fluid / Ekato Group
- Fritsch
- Gerhardt
- GFL
- Harvard
- Heidolph
- Hermle
- Huber
- IKA®-Werke
- ILMVAC / Gardner Denver
- Infors
- ISMATEC
- Julabo
- Kern
- KNF Flodos
- KNF Neuberger
- Knick
- Lauda
- Martin Christ
- Metrohm
- Mettler Toledo
- MLT
- Nova Analytics
- PM Tamson Instruments
- Poly Science
- Sartorius mechatronics
- Sartorius stedim biotech
- Scaltec / Denver Instruments
- Sigma
- Telab
- Thermo / Haake
- Thermo / Neslab
- Thyracont Vacuum Instruments GmbH
- Troemner
- Vacuubrand

Software | Calwin



Software | Pipette Calibration

The volume to be set by the user and specified by the manufacturer; used for identifying and specifying the measurement range

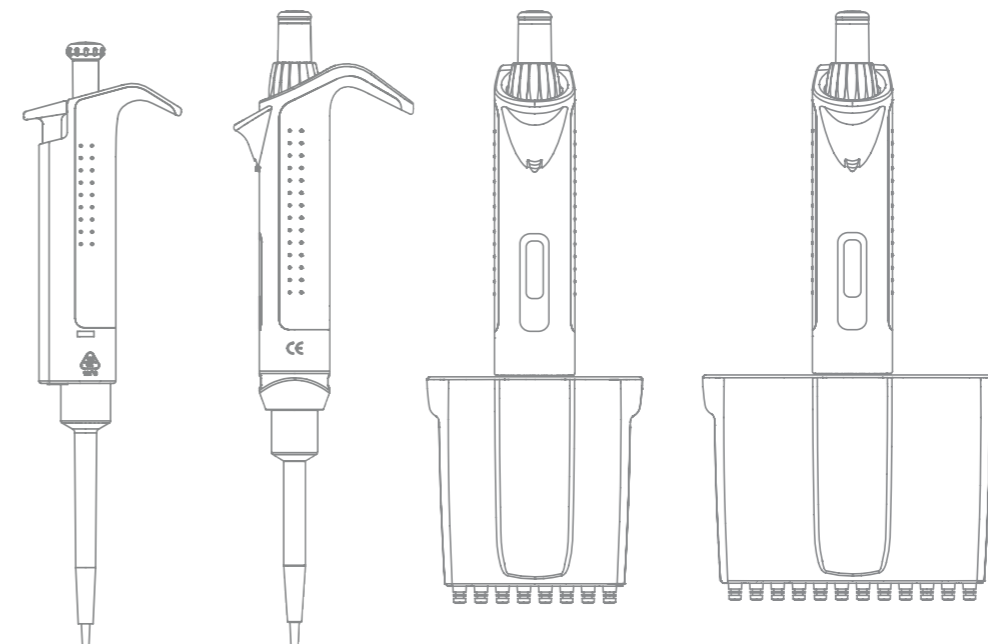
The balance transmits the weight to the PC, where the software performs all the required calculations automatically

For storing any comments / remarks about the test results

Target value	Channel	Values	Mean value	Accuracy (es) [%]	Precision (CV) [%]	Status
200.00	6	10	200.6522	0.33 <± 0.70	0.02 < 0.25	Okay
200.00	7	10	200.8286	0.41 <± 0.70	0.22 < 0.25	Okay
200.00	8	10	200.5354	0.27 <± 0.70	0.08 < 0.25	Okay

Allows you to select the standards to be used for calibration

Displays 'Okay' for successful or 'Not okay' for unsuccessful calibration



To ensure the accuracy and precision of each pipette, regular calibration of these instruments are necessary. IKA® provides a user-friendly pipette calibration software for scheduling, performing and documenting all calibration checks.



Ident. No. 4040500 Price on request

Modern Calorimetry requires modern Data handling...

Calwin C 6040 – PC control and evaluation software for the IKA® calorimeters.

The new IKA® calorimeter software Calwin C 6040 follows in the footsteps of our Calwin C 5040 with a vast array of modern solutions, ideas and possibilities for managing the measurements from our calorimeters. This software can be connected with the C 5000 (firmware 2.22), C 2000 (firmware 2.22), C 200 as well as the new calorimeters C 6000 global standards, C 6000 isoperibol and C 1.

- Data management with Microsoft SQL Server
- Clearly arranged layout of all measurements, results, and connected calorimeters on one screen
- Printing and saving calibration protocols with control chart view

- Library and grouping functions with extended data filtering options
- Correction calculations to obtain the net calorific value according to various ISO, ASTM, DIN, GB, GOST standards
- Data transfer to pre-configured work sheets for Excel (configurable by the user)

System requirements

Windows XP (SP2), Windows Vista, Windows 7, Microsoft SQL Server and at least one free USB or RS 232 (9 pin Sub-D (M)) serial interface. Processor with min. 1.6 GHz (single core-Processor); 2 GB RAM; 2.5 GB free hard-disc space; DVD-ROM-drive

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