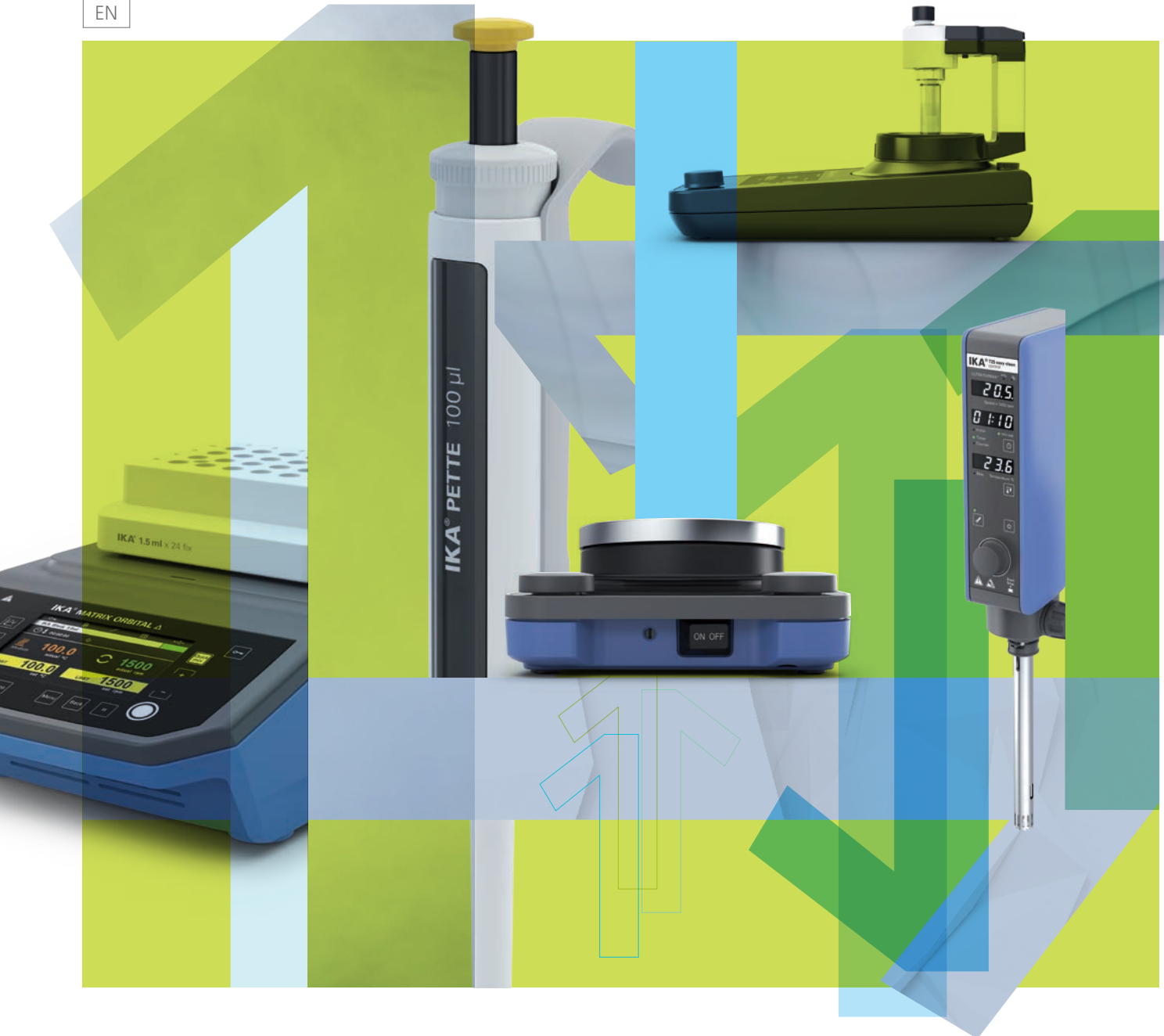# IKA

designed for scientists

111 YEARS IKA
PRODUCT OVERVIEW

111 Years IKA

SURPRISE!

/// Welcome to the IKA Laboratory & Analytical Technology

Our product design team did it again! IKA won the 2021 German Design Award in the "Excellent Product Design - Industry" category, this time for the new MATRIX Orbital Delta Plus thermoshaker. We are honored with this achievement and will continue to provide our customers with the best standards: ergonomic design, smart handling and safe processing.

As the official global market leader, with a large research and development department, something very special is planned for this year. Get ready to be surprised!

HIGHLIGHTS

What we do best is particular to your benefit: This year we have once again chosen to focus on our strengths in laboratory technology and have selected a product highlight for you in each category. We are excited to see what your personal highlight will be!

Mixing Expert

Mixing has always been our focus. From very dilute to highly-viscous samples, large to small volumes, shaking or stirring, mechanical or magnetic, wherever we are involved, will get you the best results.

IKA Mixing Highlight: IKA Plate (RCT digital)
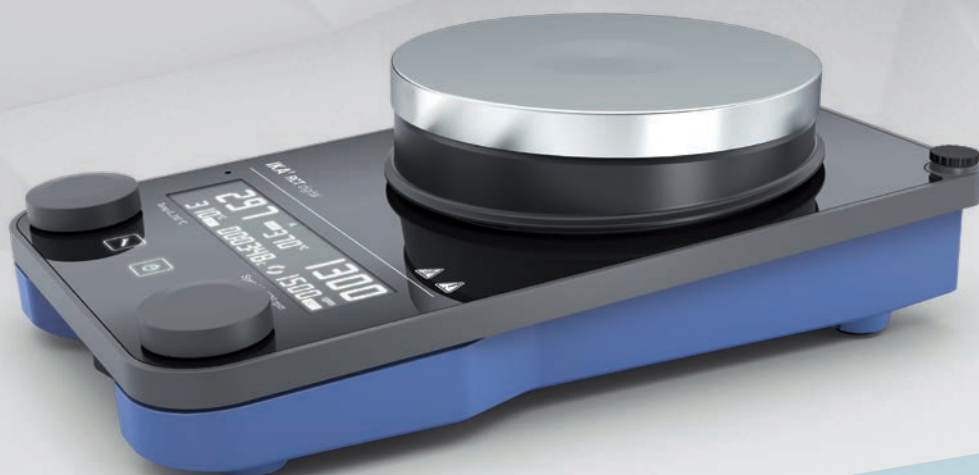
Crushing Expert

We break it all down: wet, dry, soft, fibrous, hard and brittle samples. By grinding, pulverizing and dispersing, we do it all quietly, cleanly, extra-fine or even emulsified if you like.

IKA Crushing Highlight:
MultiDrive control

Tempering Expert

We temper very quickly. With precise heating, cooling and drying, we provide comfortable temperatures for your samples, even within the sample itself.

IKA Tempering Highlight:
RC 2 GREEN

Automation Expert

With IKA, you do more things right. That's because we automate and digitize, simplify and standardize for better reproducibility and more process reliability.

IKA Automation Highlight:
labworldsoft® 6

Design Expert

We are guided by your experience. With ergonomic design. So that everything that you operate, remove, insert, fasten or clean from IKA is easier to work with.

IKA Design Highlight:
PETTE >> see page 116

Safety Expert

Whether it's about heat or chemicals, employees or samples, with us, you're on the safe side. Thanks to high-quality materials, first-class electronics, independent control circuits and detachable remote controls.

IKA Safety Highlight:
RET contol-visc >> see page 21

/// INTEGRATED SAFETY – THE IKA SAFETY CONCEPT

Safety has the highest priority at IKA. In order to protect users in the laboratory, our products have CE certifications and fulfill the requirements described in common standards such as DIN IEC EN 610410-1, DIN IEC EN 61010-2-010, DIN EN IEC 61010-2-051 and DIN IEC EN 61326-1.

Whether heat or chemicals are involved, our Integrated Safety Concept protects the sample, the laboratory and the user and provides the basis for the success of your experiments.

Independent regulation circuits

On many devices there is more than one temperature to monitor. Independent safety circuits ensure that a critical temperature cannot be exceeded under any circumstances – even if the temperature sensor in the medium or in the heating element is defective or fails completely.

Wireless remote control

A wireless remote control (WiCo) permits operation of your laboratory equipment from a safe distance. For example, the control versions of IKA laboratory reactors and thermostats are equipped with a Wireless Controller, or WiCo for short.

Safety shutoff

In case vessel or cover are removed it must be impossible for the devices to unintentionally continue operation. For this reason, IKA Integrated Safety contains safety shutoffs, for example on laboratory reactors or mills. The IKA rotary evaporators automatically lift the evaporation flask out of the heating bath in the event of a power failure.

Temperature monitoring

Maximum temperatures, safety temperatures and temperature warnings guarantee safety in the laboratory. Integrated Safety ensures that flashpoints are not reached. Safety temperatures are set manually using a small tool with each laboratory process. And, even if the magnetic stirrer and heating function is switched off, a warning is issued as long as the heating plate is hotter than 50 °C.

"Hot spot" monitoring

The hottest area of a magnetic stirrer is the set-up plate. Alongside the vessel and its contents, this is itself specifically monitored thanks to Integrated Safety. This feature ensures that the temperature of the set-up plate is not as hot as the flashpoint of the sample material in the event of glass breakage.

Locking function

Locking functions on our magnetic stirrers, for example, prevent inadvertent changes to the temperature and speed values or changes to settings.

Sturdy housing

Chemically-resistant housings and displays, made from hardened, shatterproof glass are to be found wherever dangerous substances or heat are involved, such as in our latest generation of magnetic stirrers.

/// AWARD-WINNING LABORATORY EQUIPMENT

Because of IKA's strength in innovation, quality of design, global sense of responsibility and commitment to the region – IKA continues to receive awards for its outstanding performance. Entrepreneurial courage, dynamic processes and communication-readiness justify these successes. They show us that commitment and perseverance always pay dividends!

German Design Award 2021 for MATRIX Orbital Delta Plus

IKA will once again receive the German Design Award in 2021. This time the MATRIX Orbital Delta Plus will be recognized for outstanding design quality in the category "Excellent Product Design - Industry". With their choice, the German Design Council underlines the fact that design and handling quality go hand in hand.

Thanks to its die-cast housing, the MATRIX thermoshaker sits on a sturdy mount, even on a small setup area. Moreover, it has a clear shape, smooth surface and inventive layout. This means that MATRIX Orbital Delta Plus not only looks good, but is also easy and comfortable to operate.

Innovative power and economic success

IKA has been honored for its innovativeness time and again. We have been included among the most innovative companies in Germany already three times, as honored by the TOP 100 panel and mentor Ranga Yogeshwar. In 2015, IKA even managed to jump up to 2nd place in the class of companies with more than 250 employees. At the ACHEMA Innovation Awards in Frankfurt am Main, IKA was shortlisted for the ElectraSyn 2.0, the pioneering product in electrochemistry. In addition, studies by the University of St. Gallen have placed our company in the World Market Leader Index year after year.

Design strength and user-friendliness

Whether it be the Red Dot Design Award or the German Design Award: The fact that, for us at IKA, an appealing and convenient design plays a central role in our product development is something that is regularly honored.

In 2020, the new IKA PETTE fix and vario pipettes, with their total of 18 different models, received the German Design Award for outstanding design quality. In 2018, it was the IKA T 25 easy clean high-performance disperser.

The coveted Red Dot Award was received in 2013 for the Tube Mill control batch mill and the LR 1000 laboratory reactor, and, in 2018, for the world's first ElectraSyn 2.0, a device for electro-chemical synthesis. The UTTD control disperser was awarded a "special mention" by the German Design Council in 2014.

Entrepreneurial responsibility

In 2013, the Oskar Patzelt Foundation awarded IKA the "Grand Prix of Medium-Sized Companies": In the regional competition Baden-Wuerttemberg, IKA came first place in the Industry category. In the same year, we received the Medium-Sized Company prize for social responsibility in Baden-Wuerttemberg, for our particular involvement with the aid project HANDS FOR CHILDREN, which we initiated.

In a unique endeavor, IKA owner René Stiegelmann has partnered up with Professor Phil S. Baran of the world-renowned Scripps Research Institute in La Jolla, California (USA). Over three years, engineers and chemists have worked hand in hand to develop a product combining two divisions of chemistry communities: the Electrochemical and the mainstream Synthetic Organic Chemistry Communities that traditionally don't have much in common.

ELECTRASYN 2.0 PACKAGE

/// Your chemistry has potential

Three devices in one

reddot award 2018
winner

ElectraSyn 2.0 essentially combines three products in one and will facilitate the mass adoption of electrochemistry for preparative organic synthesis: a potentiostat, an analytical device and a magnetic stirrer. It is a compact, user friendly and cost effective platform for organic chemists to explore electrochemistry.

The ElectraSyn 2.0 Ready-To-Go package includes all that is required to for your first experiment: Potentiostat, including a single 10 ml vial, vial holder, stir plate attachment, and a set of electrodes (graphite).

ElectraSyn 2.0 Package

Ident. No. 0020008980

› ElectraSyn 2.0 base unit
+ vial holder
+ single vial, 10 ml, complete
+ 2 electrodes (graphite)
+ stir plate attachment
+ stir bar

Ready-To-Go package

ElectraSyn 2.0 pro Package

Ident. No. 0040003261

› ElectraSyn 2.0 base unit
+ vial holder
+ single vial, 10 ml, complete
+ 2 electrodes (graphite)
+ stir plate attachment
+ stir bar
+ set of CV electrodes:
 + CV glassy carbon
 + CV platinum
 + Silver reference electrode

TECHNICAL DATA	ELECTRASYN 2.0 PACKAGE	PRO PACKAGE
Stirring speed range	50 – 1500 rpm
Maximum voltage output	30 V	20 V	10 V
Maximum current output	100 mA
Display	TFT
Permissible ambient temperature	5 – 50 °C
Dimensions (W × H × D)	130 × 150 × 250 mm
Protection class according to DIN EN 60529	IP 40

ELECTRASYN 2.0 APP

Monitor reactions as well as CV graphs, transmit experiments, receive software update notifications, access the online IKA store for ordering supplies, and receive latest video tutorial updates. ElectraSyn 2.0 is a device that improves over time through regular software updates available through a simple app. You can also use the app to configure your ElectraSyn 2.0 by shopping available devices and accessories.

ELECTROCHEMISTRY | Accessories

Carousel complete

GOGO Module

e-Hive

Product	Description	Ident. No.
ATTACHMENTS		
Carousel	Attachment for multi measurements	0020017512
Carousel complete	Attachment for multi measurements, incl. glass vials	0040005427
e-Hive	Screening platform with a maximum of 24 reactions	0040004945
GOGO Module	Universal extension for ElectraSyn 2.0	0040006052
Pro-Seal	Vial cap for gas exchange	0040007151
Pro-Divide	Reaction cell for divided electrochemistry	0040006482
Calibration cap	Calibration cap for ElectraSyn 2.0	0040007388
ELECTRODES FOR E-HIVE		
Copper electrode inner	Anode copper (24 pcs.)	0040007427
Graphite electrode inner	Anode graphite (24 pcs.)	0040007430
Stainless electrode inner	Anode stainless steel (24 pcs.)	0040007429
Copper electrode outer	Cathode copper (24 pcs.)	0040007436
Graphite electrode outer	Cathode graphite (24 pcs.)	0040007438
Stainless electrode outer	Cathode stainless steel (24 pcs.)	0040007443

Graphite electrode inner

Copper electrode outer

Glass vial 5 ml

Glass vial complete 10 ml

ElectraSyn 2.0 Complete Starter Kit

Product	Description	Ident. No.
VIALS / ELECTRODES		
Glass vial complete 5 ml	Glass vial 5 ml incl. lid, glass and magnetic bar	0040003171
Glass vial complete 10 ml	Glass vial 10 ml incl. lid, glass and magnetic bar	0040003170
Glass vial complete 20 ml	Glass vial 20 ml incl. lid, glass and magnetic bar	0040003168
Glass vials 5 ml	Glass vial 5 ml, set of 10	0040003327
Glass vials 10 ml	Glass vial 10 ml, set of 10	0040003325
Glass vials 20 ml	Glass vial 20 ml, set of 10	0040003324
ElectraSyn 2.0 Electrode Starter Kit	Kit of glassy carbon, set of 2 + 8 other electrodes, each set of 12	0020017204
ElectraSyn 2.0 Complete Vial Kit	Kit of 5 ml, 10 ml and 20 ml vials complete, 10 spare vials of each volume	0010003810
ElectraSyn 2.0 vials only	Kit of 10 × 5 ml, 10 × 10 ml, 10 × 20 ml vials	0010003811
ElectraSyn 2.0 Complete Starter Kit	Kit of 5 ml, 10 ml, 20 ml vials complete; 10 spare vials of each volume; glassy carbon, set of 2 + 8 other electrodes, each set of 12	0040004013
Electrode CV Package	Kit of electrodes (CV glassy carbon, CV platinum, reference electrode)	0040002864
MICROVIALS / MICROELECTRODES		
Microvial 1 ml	Glass vial 1 ml incl. lid, glass and magnetic bar	0040003294
Microvial 2 ml	Glass vial 2 ml incl. lid, glass and magnetic bar	0040003295
Micro glass vials 1 ml	Glass vial 1 ml, set of 10	0020017207
Micro glass vials 2 ml	Glass vial 2 ml, set of 10	0020017206
ElectraSyn 2.0 Micro electrode Starter Kit	Kit of glassy carbon, set of 2 + 7 other electrodes, each set of 12	0040004016
ElectraSyn 2.0 microvials only	Kit 10 × 1 ml, 10 × 2 ml vials	0040004103
ElectraSyn 2.0 Microvial Kit complete	Kit of 1 ml and 2 ml vials complete, 10 spare vials of each volume	0040004014
ElectraSyn 2.0 Micro Starter Kit complete	Kit of 1 ml and 2 ml vials complete; 10 spare vials of each volume; glassy carbon, set of 2 + 7 other electrodes, each set of 12	0040004015

Microvial 1 ml

Microvial 2 ml

ElectraSyn 2.0 Micro Starter Kit complete

Product	Ident. No.
ELECTRODES	
① Electrode graphite (12 pcs.)	0040002858
② Electrode glassy carbon (2 pcs.)	0040002842
Electrode lead bronze (2 pcs.)	0020016076
Electrode lead (12 pcs.)	0040002843
Electrode tungsten (2 pcs.)	0040002845
③ Electrode niobium (2 pcs.)	0040002846
④ Electrode copper (12 pcs.)	0040002847
Electrode magnesium (12 pcs.)	0040002848
Electrode titanium (12 pcs.)	0040002849
Electrode zinc (12 pcs.)	0040002850
Electrode stainless steel (12 pcs.)	0040002851
⑤ Electrode platinum plated (2 pcs.)	0040002852
Electrode platinum foil (2 pcs.)	0040005015
Electrode platinum on ceramics (2 pcs.)	0040006753
Electrode gold plated (2 pcs.)	0040002853
⑥ Electrode silver plated (2 pcs.)	0040002854
Electrode aluminium (12 pcs.)	0040003174
Electrode boron doped diamond (2 pcs.)	0040002856
Electrode tin (12 pcs.)	0040002857
⑦ Electrode nickel (12 pcs.)	0040002859
⑧ Electrode RVC foam (12 pcs.)	0040002860
Electrode nickel foam (12 pcs.)	0040002861
Electrode cobalt (2 pcs.)	0040003385
⑨ Electrode reference (1 pc.)	0040002865
Electrode CV glassy carbon (1 pc.)	0040002863
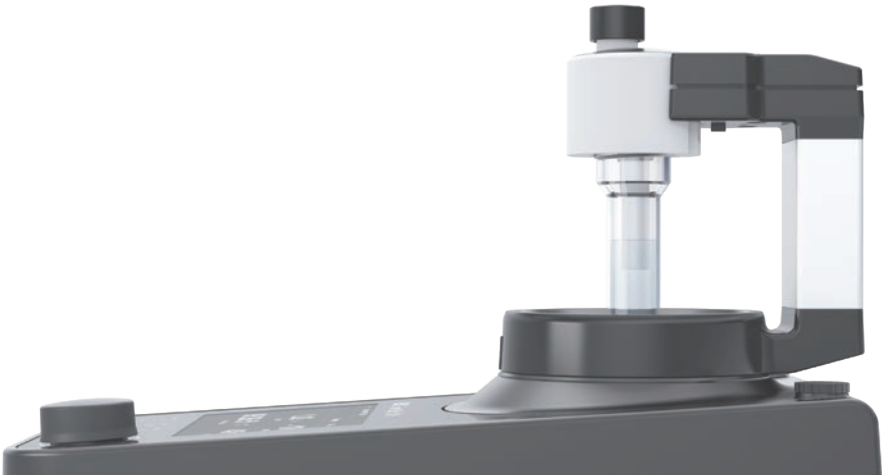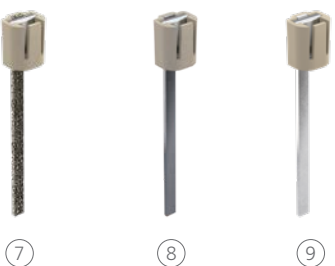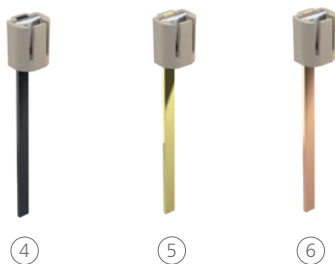
Product	Ident. No.
MICROELECTRODES	
① Microelectrode aluminium (12 pcs.)	0040004029
Microelectrode boron-doped diamond (2 pcs.)	0040004036
② Microelectrode cobalt (2 pcs.)	0040004039
③ Microelectrode copper (12 pcs.)	0040004027
④ Microelectrode glassy carbon (2 pcs.)	0040004022
⑤ Microelectrode gold (2 pcs.)	0040004034
Microelectrode graphite SK-50 (12 pcs.)	0040004021
Microelectrode lead (12 pcs.)	0040004028
⑥ Microelectrode lead bronze (12 pcs.)	0040004030
Microelectrode magnesium (12 pcs.)	0040004025
Microelectrode nickel (12 pcs.)	0040004023
⑦ Microelectrode nickel foam (12 pcs.)	0040004101
⑧ Microelectrode niobium (2 pcs.)	0040004032
Microelectrode platinum (2 pcs.)	0040004038
Microelectrode silver (2 pcs.)	0040004035
Microelectrode stainless steel (12 pcs.)	0040004024
⑨ Microelectrode tin (12 pcs.)	0040004037
Microelectrode titanium (12 pcs.)	0040004033
Microelectrode tungsten (2 pcs.)	0040004031
Microelectrode zinc (12 pcs.)	0040004026
Microelectrode graphite V2100 (2 pcs.)	0040004040

Screening System Package
(8 cells)

Ident. No. 0040003642

Screening System Package
(6 cells)

Ident. No. 0040003631

TECHNICAL DATA	SCREENING SYSTEM PACKAGE (6 | 8 CELLS)
CONTINUOUSLY ADJUSTABLE POWER SUPPLY	
Voltage output	0 – 32 V (± 1 mV)
Supply voltage	115 or 230 V (50 Hz / 60 Hz)
MAGNETIC STIRRER	
Speed range	0 – 1500 rpm
REACTION CELLS	
Number of cells	6 (divided cell) or 8 (undivided cell)
Usable volume of undivided cell	8 ml
Usable volume of divided cell (per chamber)	8 ml
Material	PTFE
Temperature control	Yes (RT to 100 °C)

IKA Screening System

The IKA Screening System is perfectly suited for constant current electrosynthesis in "multibatch" mode. The combination of both divided and undivided batch cells enables you to quickly carry out research on multiple electroconversions at the same time. In addition, you can combine the system with other equipment in the laboratory.

Scope of delivery

> Reaction block
> Electrolysis cells
> Power supply
> IKA Plate (RCT digital) including PT 1000 temperature sensor
> Cable set
> Screw drive
> Electrode graphite (16 pcs.)

Reaction block with 6 divided cells

Reaction block with 8 undivided cells

Divided cell

Undivided cell

Product	Ident. No.
REACTION BLOCKS AND CELLS	
Reaction block with 6 divided cells	0020015936
Reaction block with 8 undivided cells	0020015943
Set of reaction cells (6 divided cells)	0040003647
Set of reaction cells (8 undivided cells)	0040003648
ELECTRODES	
Electrode 0.7 boron doped diamond (8 pcs.)	0040003932
Electrode 0.7 glassy carbon (16 pcs.)	0040003670
Electrode 0.7 graphite SK-50 (16 pcs.)	0040003954
Electrode 0.7 platinum (8 pcs.)	0040003678
Electrode 0.7 platinum on ceramics (2 pcs.)	0020023860
Electrode 0.7 gold (8 pcs.)	0040003934
Electrode 0.7 silver (8 pcs.)	0040003938
Electrode 0.7 nickel foam (16 pcs.)	0040003935
Electrode 0.7 graphite V2100 (16 pcs.)	0040003669
Electrode 0.7 nickel (16 pcs.)	0040003671
Electrode 0.7 stainless steel (8 pcs.)	0040003672
Electrode 0.7 lead (16 pcs.)	0040003673
Electrode 0.7 lead bronze (8 pcs.)	0040003674
Electrode 0.7 copper (8 pcs.)	0040003675
Electrode 0.7 magnesium (16 pcs.)	0040003677
Electrode 0.7 zinc (16 pcs.)	0040003680
Electrode 0.7 aluminium (16 pcs.)	0040003682
Electrode 0.7 cobalt (8 pcs.)	0040003933
Electrode 0.7 niobium (8 pcs.)	0040003936
Electrode 0.7 tin (8 pcs.)	0040003939
Electrode 0.7 titanium (8 pcs.)	0040003940
Electrode 0.7 tungsten (8 pcs.)	0040003941
Electrode 0.7 RVC (16 pcs.)	0040003937
Electrode 0.7 Sampler Kit incl. 7 × 2 electrodes*	0040004509
Electrode 0.7 Starter Kit incl. 9 × 1 electrode**	0040003646
Electrode 0.7 power supply	0040003604
SC 1.1 Cable (1 – 4)	0040003663
SC 1.2 Cable (5 – 8)	0020018590
SC 2.1 Crocodile clip for cable set	0040003630
labworldsoft® 6 Screening System	0020023690

*BDD, cobalt, gold, silver, niobium, tungsten, titanium

**graphite V2100, glassy carbon, magnesium, tin, nickel foam, nickel, lead, lead bronze, copper

We believe you can make a laboratory classic even better. The magnetic stirrer was invented more than seven decades ago, but the world's best-selling stirrers have never been as strong, energy-efficient and durable as the modern IKA magnetic stirrers. We have developed devices for mixing tasks involving an extensive range of volumes and viscosities, with and without a heating function, and even for multiple syntheses in up to 36 vessels at the same time. One model even adapts to the optical preferences of its user.

RCT 5 DIGITAL
/// The most powerful generation of magnetic stirrers

The new RCT 5 digital magnetic stirrer, with a heating power rating of 850 watts, now offers significantly more power making it an ideal device for demanding stirring tasks up to 20 l.

INTELLIGENT SET-UP PLATE
The RCT 5 digital's set-up plate is made from white coated ceramic material, making it particularly resistant to chemicals. In addition, the shape is square, meaning that this modern magnetic stirrer provides even better space utilization for attachments and stirring vessels.

MULTIFUNCTIONAL MENU
Whether determining the direction of rotation, timer functions or sequence programming - the stirring process can be programmed individually from beginning to end. In this way, the reaction runs reliably and safely even without monitoring.

SIMPLE OPERATION
The intuitive multilingual IKA menu guide makes working with the RCT 5 digital pleasant and simple. It has a large LED display and can be controlled just as easily as any other IKA laboratory equipment.

IKA Plate (RCT digital)

Ident. No. 0020014903

RCT 5 digital

Ident. No. 0020002704

> New: 850 W heating power

C-MAG HS 7 control

Ident. No. 0020002694

reddot award 2017 winner

RET control-visc

Ident. No. 0005020000

> Weighing function & pH measurement

RET control-visc white

Ident. No. 0005030000
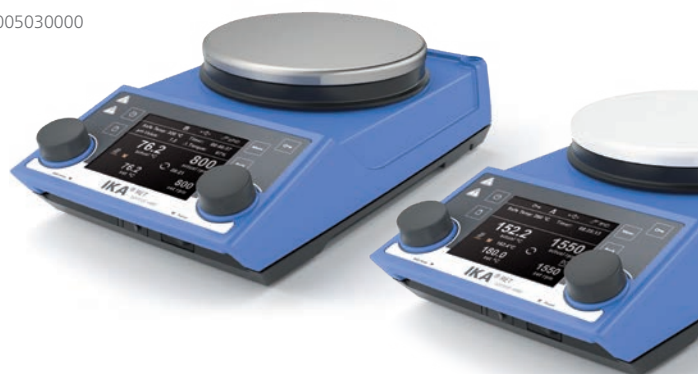
TECHNICAL DATA	IKA PLATE (RCT DIGITAL)	RCT 5 DIGITAL	C-MAG HS 7 CONTROL	RET CONTROL-VISC | WHITE
Stirring quantity max. (H_2O)	20 l	20 l	20 l	20 l
Direction of rotation	right | left	right | left	right | left	right
Speed range	50 – 1500 rpm	50 – 1500 rpm	50 – 1500 rpm	50 – 1700 rpm
Heat output	600 W	850 W	1000 W	600 W
Heating temperature range	RT + device self heating – 310 °C	RT + device self heating – 310 °C	RT + device self heating – 500 °C	RT + device self heating – 340 °C
Set-up plate material	Aluminium alloy	Aluminium with ceramic coating	Ceramic	Stainless steel 1.4301 I Coated
Load capacity weighing function max.	–	–	–	5 kg
Set-up plate dimensions	Ø 135 mm	137 × 137 mm	180 × 180 mm	Ø 135 mm
Dimensions (W × H × D)	160 × 85 × 270 mm	160 × 85 × 270 mm	220 × 88 × 354 mm	160 × 85 × 270 mm
Protection class according to DIN EN 60529	IP 42	IP 42	IP 21	IP 42

MAGNETIC STIRRERS | With Heating

① **C-MAG HS 4 digital**

Ident. No. 0025001025

② **C-MAG HS 7 digital**

Ident. No. 0025004645

③ **C-MAG HS 10 digital**

Ident. No. 0025001026

① **C-MAG HS 4**

Ident. No. 0003581000

② **C-MAG HS 7**

Ident. No. 0003581200

③ **C-MAG HS 10**

Ident. No. 0003581400

① **RH basic**

Ident. No. 0005019700

② **RH basic white**

Ident. No. 0005029700

③ **RH basic 2**

Ident. No. 0003339000

① **RH digital**

Ident. No. 0005019800

② **RH digital white**

Ident. No. 0004678000

TECHNICAL DATA	C-MAG HS 4 | 7 | 10 DIGITAL	C-MAG HS 4 | 7 | 10	RH BASIC | BASIC WHITE | RH BASIC 2	RH DIGITAL | DIGITAL WHITE
Stirring quantity max. (H$_2$O)	5 l | 10 l | 15 l	5 l | 10 l | 15 l	15 l | 10 l	15 l
Speed range	100 – 1500 rpm	100 – 1500 rpm	100 – 2000 rpm	100 – 2000 rpm
Heat output	250 W | 1000 W | 1500 W	250 W | 1000 W | 1500 W	600 W | 400 W	600 W
Heating temperature	50 – 500 °C	50 – 500 °C	50 – 320 °C Room temp. °C – 320 °C	50 – 320 °C
Set-up plate material	Ceramic	Ceramic	Stainless steel 1.4301 RH basic white: coated	Stainless steel 1.4301 RH digital white: coated
External Temperature control	PT 1000	– | ETS-D5 | ETS-D5	ETS-D5 | ETS-D5 | –	ETS-D5
Dimensions (W × H × D)	150 × 105 × 260 mm 215 × 105 × 330 mm 300 × 105 × 415 mm	150 × 105 × 260 mm 220 × 105 × 335 mm 300 × 105 × 415 mm	160 × 100 × 250 mm 168 × 105 × 220 mm	160 × 100 × 250 mm
Protection class according to DIN EN 60529	IP 21	IP 21	IP 21	IP 21

RET basic

Ident. No. 0003622000

RCT basic

Ident. No. 0020002621

BESTSELLER

10-position hotplate stirrer, for synchronous heating and stirring

① **RT 5**

Ident. No. 0003690600

② **RT 10**

Ident. No. 0003691100

③ **RT 15**

Ident. No. 0003692600

②

RCT BASIC
/// Integrated safety

RCT basic fulfills, in all areas, the required safety regulations for laboratory equipment. The device is monitoring all safety relevant components and therefore is suitable for unsupervised operation. Safety is guaranteed in the event of malfunctions.

Further safety features are an adjustable safety circuit, two independent control circuits, hot top indicator and precise temperature control.

TECHNICAL DATA	RET BASIC	RCT BASIC	RT 5 | RT 10 | RT 15
Stirring quantity max. (H_2O)	20 l	20 l	0.4 l per stirring position
Speed range	50 – 1700 rpm	50 – 1500 rpm	0 – 1000 rpm
Heat output	600 W	600 W	175 W I 375 W I 580 W
Heating temperature	RT + device self heating – 340 °C	RT + device self heating – 310 °C	Room temp. °C – 120 °C
Set-up plate material	Stainless steel 1.4301	Aluminium alloy	Aluminium alloy
Connection for ext. temperature sensor	PT 1000	PT 1000	–
Dimensions (W × H × D)	160 × 95 × 270 mm	160 × 85 × 270 mm	120 × 60 × 610 mm 190 × 60 × 610 mm 280 × 60 × 610 mm
Protection class according to DIN EN 60529	IP 42	IP 42	IP 40

① **RO 5**

Ident. No. 0003690500

② **RO 10**

Ident. No. 0003691000

③ **RO 15**

Ident. No. 0003692500

Adjustable reverse operation

KMO 3 basic

Ident. No. 0020004631

Illuminated, flat stirring plate

iF DESIGN AWARD 2017

① **Midi MR 1 digital**

Ident. No. 0025002968

② **Maxi MR 1 digital**

Ident. No. 0025002978

① **C-MAG MS 4**

Ident. No. 0003582200

② **C-MAG MS 7**

Ident. No. 0003582400

③ **C-MAG MS 10**

Ident. No. 0003582600

TECHNICAL DATA	RO 5 | RO 10 | RO 15	KMO 3 BASIC	MIDI MR 1 DIGITAL | MAXI MR 1 DIGITAL	C-MAG MS 4 | 7 | 10
Stirring quantity max. (H_2O)	0.4 l per stirring position	5 l	50 l | 150 l	5 l | 10 l | 15 l
Speed range	0 – 1200 rpm	10 – 1500 rpm	0 – 1000 rpm 0 – 600 rpm	100 – 1500 rpm
Set-up plate material	Stainless steel 1.4301	Glass	Stainless steel 1.4301	Ceramic
Set-up plate dimensions	120 × 470 mm 190 × 470 mm 280 × 470 mm	140 × 120 mm	350 × 350 mm 500 × 500 mm	100 × 100 mm 180 × 180 mm 260 × 260 mm
Dimensions (W × H × D)	120 × 60 × 570 mm 190 × 60 × 570 mm 280 × 60 × 570 mm	153 × 62,5 × 227 mm	360 × 110 × 430 mm 505 × 110 × 585 mm	150 × 105 × 260 mm 220 × 105 × 335 mm 300 × 105 × 415 mm
Protection class according to DIN EN 60529	IP 40	IP 42	IP 21	IP 21

topolino

Ident. No. 0003368000

IKA myPlate

Ident. No. 0025006950

Design the set-up plate yourself

lab disc

Ident. No. 0020011935

Mini MR standard

Ident. No. 0025004132

TECHNICAL DATA	TOPOLINO	IKA MYPLATE	LAB DISC	MINI MR STANDARD
Stirring quantity max. (H_2O)	0.25 l	1.5 l	0.8 l	1 l
Direction of rotation	–	Left	–	Right
Speed range	500 – 1800 rpm	100 – 2500 rpm	15 – 1500 rpm	0 – 2500 rpm
Set-up plate material	Synthetic (PP)	Glass	Polyester	Polyester
Set-up plate dimensions	Ø 80 mm	Ø 135 mm	Ø 100 mm	115 × 115 mm
Dimensions (W × H × D)	95 × 37 × 115 mm	152 × 30 × 164 mm	116 × 12 × 175 mm	115 × 37 × 129 mm
Protection class according to DIN EN 60529	IP 21	IP 54	IP 65	IP 42

PT 1000.70

PT 1000.90

PT 1000.51

Product	Ident. No.
TEMPERATURE SENSORS	
Stainless steel	
PT 1000.60	0003516800
PT 1000.80	0004443000
PT 100.70	0020000440
Glass-coated	
PT 1000.70	0003736000
PT 100.51	0002600300
SafeCoat (PFA, PTFE)	
PT 1000.90	0004480600
PT 100.53	0004499700
Dual	
PT 1000.50	0003367600
PT 1000.51	0003377700

ELECTRONIC CONTACT THERMOMETERS	
ETS-D5	0003378000
ETS-D6	0003378100

SENSORS FOR ETS-D5 / ETS-D6	
H 62.51	0002735451
H 66.51, glass coated	0002735551
H 66.53, coated	0004499900
H 70, extension cable	0002735600

ETS-D5

H 66.51

H 66.53

RET control-visc	RET basic	IKA Plate (RCT digital)	RCT basic	C-MAG HS 7 control	C-MAG HS digital 4 | 7 | 10	C-MAG HS 7 | 10	RH digital | basic
−	•	•	•	•	•	−	−
−	+	+	+	+	+	−	−
•	−	−	−	−	−		
−	+	+	+	+	+	−	−
+	−	−	−	−	−	−	−
−	+	+	+	+	+	−	−
+	−	−	−	−	−	−	−
+	−	−	−	−	−	−	−
+	−	−	−	−	−	−	−
−	+	+	+	+	−	+	+
−	+	+	+	+	−	+	+

+ Compatible | − Not compatible | • Included in delivery

MAGNETIC STIRRERS WITH HEATING | Accessories

Product	Hole Ø	Dimensions	Ident. No.
DRY HEATING BLOCK SQUARE SERIES			
H 135.10 Square carrier without handle	–	160 × 160 mm	0025000832
H 135.11 Square carrier with handle	–	160 × 160 mm	0004448200
H 135.101 Block 16 × 4 ml	15.2 mm	79 × 79 mm	0025000626
H 135.102 Block 16 × 8 ml	17.5 mm	79 × 79 mm	0025000627
H 135.103 Block 9 × 16 ml	20.5 mm	79 × 79 mm	0025000628
H 135.104 Block 4 × 20 ml	28.5 mm	79 × 79 mm	0025000629
H 135.105 Block 4 × 30 ml	28.5 mm	79 × 79 mm	0025000630
H 135.106 Block 4 × 40 ml	28.5 mm	79 × 79 mm	0025000631
H 135.107 Block 100 ml	–	79 × 79 mm	0025000632
H 135.108 Block 250 ml	–	79 × 79 mm	0025000633

Square carrier with handle: H 135.11

H 135.104

Product	Max. outer Ø	Inner Ø	Ident. No.
100 ML FLASK HEATING BLOCK SERIES			
H 135.20 Flask carrier 100 ml without handle	142 mm	–	0025000634
H 135.21 Flask carrier 100 ml with handle	142 mm	–	0004448300
H 135.201 Flask inlay 10 ml	–	33.8 mm	0025000636
H 135.202 Flask inlay 25 ml	–	43.8 mm	0025000637
H 135.203 Flask inlay 50 ml	–	52.8 mm	0025000638
250 ML FLASK HEATING BLOCK SERIES			
H 135.25 Flask carrier 250 ml without handle	142 mm	–	0025003280
H 135.26 Flask carrier 250 ml with handle	142 mm	–	0020007954
500 ML FLASK HEATING BLOCK SERIES			
H 135.30 Flask carrier 500 ml without handle	142 mm	–	0025000639
H 135.31 Flask carrier 500 ml with handle	142 mm	–	0004448400
H 135.301 Flask inlay 100 ml	–	66.3 mm	0025000641
H 135.302 Flask inlay 250 ml	–	88 mm	0025000642
1000 ML FLASK HEATING BLOCK SERIES			
H 135.40 Flask carrier 1000 ml without handle	166.3 mm	–	0025000833
H 135.41 Flask carrier 1000 ml with handle	166.3 mm	–	0004448500
H 135.401 Flask inlay 500 ml	–	108 mm	0025000644
2000 ML FLASK HEATING BLOCK SERIES			
H 135.50 Flask carrier 2000 ml without handle	194.7 mm	–	0025000834
H 135.51 Flask carrier 2000 ml with handle	194.7 mm	–	0004448600
H 135.501 Flask inlay 1000 ml	–	131.8 mm	0025000645

Flask carrier with handle: H 135.21

Flask carrierer without handle: H 135.25

Inlay: H 135.301

Inlay: H 135.401

Inlay: H 135.501

Product	Dimensions	Ident. No.
IKAFLON® ROUND PTFE-COATED		
10 round (5 pcs.)	10 × 6 mm	0004488600
15 round (5 pcs.)	15 × 6 mm	0004488700
20 round (5 pcs.)	20 × 8 mm	0004488800
25 round (5 pcs.)	25 × 8 mm	0004488900
30 round (5 pcs.)	30 × 8 mm	0004489000
40 round (5 pcs.)	40 × 8 mm	0004489100
50 round (5 pcs.)	50 × 8 mm	0004489200
80 round (5 pcs.)	80 × 10 mm	0004489300
110 round (1 pc.)	108 × 27 mm	0000793300
155 round (1 pc.)	153 × 27 mm	0001129000

Product	Dimensions	Ident. No.
IKAFLON® ROUND GLASS-COATED		
25 round (5 pcs.)	25 × 6 mm	0004492200
40 round (5 pcs.)	40 × 8 mm	0004492600
50 round (5 pcs.)	50 × 8 mm	0004492800

Product	Dimensions	Ident. No.
IKAFLON® SLIDE ROUND		
25 slide (5 pcs.)	25 × 6 mm	0004493800
30 slide (5 pcs.)	30 × 6 mm	0004494000
40 slide (5 pcs.)	40 × 8 mm	0004494200
50 slide (5 pcs.)	50 × 8 mm	0004494400

Product	Dimensions	Ident. No.
IKAFLON® POWER		
20 power (5 pcs.)	20 × 6 mm	0004493000
30 power (5 pcs.)	30 × 6 mm	0004493200
50 power (5 pcs.)	50 × 8 mm	0004493400

Product	Dimensions	Ident. No.
IKAFLON® ELLIPSE PTFE-COATED		
20 ellipse (5 pcs.)	20 × 10 mm	0004494600
25 ellipse (5 pcs.)	25 × 12 mm	0004494800
30 ellipse (5 pcs.)	32 × 16 mm	0004495000
35 ellipse (5 pcs.)	35 × 15 mm	0004495200
40 ellipse (5 pcs.)	40 × 20 mm	0004495400
50 ellipse (5 pcs.)	50 × 20 mm	0004495600
70 ellipse (5 pcs.)	70 × 20 mm	0004496000

Product	Dimensions	Ident. No.
IKAFLON® CROSS PTFE-COATED		
10 cross (5 pcs.)	10 × 10 mm	0004496200
20 cross (5 pcs.)	20 × 20 mm	0004496400
25 cross (5 pcs.)	25 × 25 mm	0004496600
30 cross (5 pcs.)	30 × 30 mm	0004496800
38 cross (5 pcs.)	38 × 38 mm	0004497000

Product	Dimensions	Ident. No.
IKAFLON® BONE PTFE-COATED		
37 bone (5 pcs.)	35 × 8 × 20 mm	0004497200
54 bone (5 pcs.)	55 × 8 × 20 mm	0004497400

Product	Dimensions	Ident. No.
IKAFLON® BEAKER PTFE-COATED		
74 (1 pc.)	(Ø × H): 74 × 29 mm with 60 × 9	0004497800

Product	Dimensions	Ident. No.
IKAFLON® CROWN PTFE-COATED		
9 crown (5 pcs.)	9 × 6 mm	0004498400

Product	Dimensions	Ident. No.
TRIKA® PTFE-COATED		
25 Trika (5 pcs.)	25 × 8 mm	0004499300
35 Trika (5 pcs.)	35 × 9 mm	0004499400
55 Trika (5 pcs.)	55 × 14 mm	0004499500
80 Trika (5 pcs.)	80 × 17 mm	0004499600

Product	Dimensions	Ident. No.
SET OF MAGNETIC STIRRING BARS		
RS 1		0001358600
RS 2		0004499100

Product	Dimensions	Ident. No.
STIRRING BAR REMOVER		
RSE	Stirring bar remover	0001293100
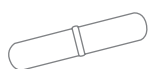
IKAFLON® round PTFE-coated

IKAFLON® ellipse PTFE-coated
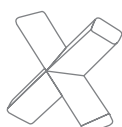
IKAFLON® cross PTFE-coated
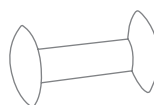
IKAFLON® bone PTFE-coated
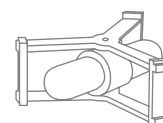
IKAFLON® beaker PTFE-coated

TRIKA® PTFE-coated

MAGNETIC STIRRERS | Accessories

WiCo RET control-visc

Cover RET control-visc

IB R RO 15 eco

LABLIFT m
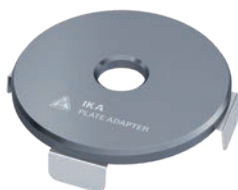
IKA Plate Adapter

Product	Description	Ident. No.
WIRELESS-CONTROLLED OPERATING UNIT		
WiCo RET control-visc	Wireless remote control	0020007259
COVERS		
H 102	Cover for RH basic	0004281600
H 103	Cover for RH digital	0004299100
H 100	Cover for RCT basic and RET basic	0003661000
H 104	Cover for RET control-visc	0004209500
MAINS CABLES		
H 11	Mains cable Euro plug	0001091500
H 11	Mains cable USA plug	0003564500
H 11	Mains cable UK plug	0002410700
H 11	Mains cable CH plug	0001091600
H 11	Mains cable IN plug	0003923600
PLASTIC BATH FOR MAGNETIC STIRRER RO 15		
IB R RO 15 eco	Plastic bath, size L, 25 l volume	0020006341
LABLIFT		
LABLIFT m	Up to 25 kg (max. static load)	0004022400
IKA PLATE ADAPTER		
IKA Plate Adapter	Heating block adapter for RCT 5 digital, C-MAG 7 and 10	0025001022
BEAKER CAP		
BC 1000	Beaker cap	0020003417

H 3000

HG 600

H 16.3   H 44
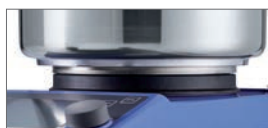
Product	Description	Ident. No.
OIL BATH ATTACHMENTS		
H 29	Oil bath attachment, 1 l	0002829400
H 30	Oil bath attachment, 1.5 l	0002829500
BEAKERS, STAINLESS STEEL		
H 1000	Beaker, stainless steel, 1 l	0004444401
H 1500	Beaker, stainless steel, 1.5 l	0004444501
H 3000	Beaker, stainless steel, 3 l	0004444503
H 5000	Beaker, stainless steel, 5 l	0004444505
HEATING JACKETS		
HG 600	Heating jacket for beaker 600 ml	0020003416
HG 1000	Heating jacket for beaker 1000 ml	0020003415
HOLDERS		
H 16 V	Support rod	0001545100
H 16.3	Extension for support rod	0025000622
H 44	Boss head clamp	0002437700
H 38	Holding rod	0003547700

LABORATORY SOFTWARE
labworldsoft® 6 Starter

Ident. No. 0020019397

labworldsoft® 6 Pro

Ident. No. 0020017366

labworldsoft® is a laboratory software to control lab devices, automate processes, and to document your measurements and results. The software provides access to a huge library of different laboratory devices. labworldsoft® does not integrate only IKA laboratory devices, but supports several other devices from different manufacturers as well. You stay flexible in the choice of your lab devices you want to use and profit from the whole device range of the laboratory world.

IKA overhead stirrers are strong, sturdy and safe because we understand the most important aspects during development. From low to high viscosities, and with up to 200 liters of stirring volume, all mixing and stirring tasks constitute no challenge for our stirrers. This is a good foundation for differentiated functionalities, which include: a safety circuit, a clear display, convenient control using labworldsoft® laboratory software and a wide range of stirring tools. Whether it is propeller stirrers, anchor stirrers or spiral stirrers – you will find the right tool for all applications in our range.

NANOSTAR 7.5 DIGITAL
/// Perfect basic functionality in the most compact of spaces

With 30% less volume and weighing just 0,8 kg, the NANOSTAR 7.5 digital overhead stirrer is even more space-saving than the MICROSTAR 7.5 digital – yet with the same performance rating.

CONSTANT TORQUE
NANOSTAR 7.5 digital guarantees an absolutely constant torque over the entire speed range of 50 – 2000 rpm.

EASE OF OPERATION
Operation takes place using a stable rotary knob. The display clearly shows the rotational speed.

RAPID UPDATES
Regular software updates can be undertaken rapidly and simply via the USB interface.

Original size

NANOSTAR 7.5 digital

Ident. No. 0025004356

NEW!

MICROSTAR 7.5 digital

Ident. No. 0025004715

MICROSTAR 7.5 control

Ident. No. 0025001984

Speed range:
50 – 2000 rpm

MICROSTAR 15 digital

Ident. No. 0025004883

MICROSTAR 15 control

Ident. No. 0025001986

MICROSTAR 30 digital

Ident. No. 0025004884

MICROSTAR 30 control

Ident. No. 0025001987

Temperature
sensor included

TECHNICAL DATA	NANOSTAR 7.5 DIGITAL	MICROSTAR 7.5 DIGITAL | CONTROL	MICROSTAR 15 DIGITAL | CONTROL	MICROSTAR 30 DIGITAL | CONTROL
Stirring quantity max. (H$_2$O)	5 l	5 l	10 l	20 l
Speed range	0 / 50 – 2000 rpm	0 / 50 – 2000 rpm 0 / 30 – 2000 rpm	0 / 50 – 1000 rpm 0 / 30 – 1000 rpm	0 / 50 – 500 rpm 0 / 30 – 500 rpm
Viscosity max.	4000 mPas	4000 mPas	8000 mPas	20 000 mPas
Torque max. at stirring shaft	7.5 Ncm	7.5 Ncm	15 Ncm	30 Ncm
Temperature measuring range	–	– | -10 – 350 °C	– | -10 – 350 °C	– | -10 – 350 °C
Torque measurement	–	– | Trend	– | Trend	– | Trend
Chuck range diameter	0.5 – 8.2 mm	0.5 – 8.2 mm	0.5 – 8.2 mm	0.5 – 8.2 mm
Display	LED	LED | LCD	LED | LCD	LED | LCD
Dimensions (W × H × D)	53 × 147 × 130 mm	60 × 173 × 126 mm 60 × 173 × 136 mm	60 × 173 × 126 mm 60 × 173 × 136 mm	60 × 173 × 126 mm 60 × 173 × 136 mm
Protection class according to DIN EN 60529	IP 54	IP 54	IP 54	IP 54

MINISTAR 20 digital

Ident. No. 0025004885

MINISTAR 20 control

Ident. No. 0025001988

MINISTAR 40 digital

Ident. No. 0025004886

MINISTAR 40 control

Ident. No. 0025001989

MINISTAR 80 digital

Ident. No. 0025004887

MINISTAR 80 control

Ident. No. 0025001990

Power package:
80 Ncm

TECHNICAL DATA	MINISTAR 20 DIGITAL | CONTROL	MINISTAR 40 DIGITAL | CONTROL	MINISTAR 80 DIGITAL | CONTROL
Stirring quantity max. (H$_2$O)	15 l	25 l	50 l
Speed range	0 / 50 – 2000 rpm	0 / 50 – 1000 rpm 0 / 30 – 1000 rpm	0 / 50 – 500 rpm 0 / 30 – 500 rpm
Viscosity max.	10 000 mPas	30 000 mPas	60 000 mPas
Torque max. at stirring shaft	20 Ncm	40 Ncm	80 Ncm
Temperature measuring range	– | -10 – 350 °C	– | -10 – 350 °C	– | -10 – 350 °C
Torque measurement	– | Trend	– | Trend	– | Trend
Chuck range diameter	0.5 – 8.2 mm	0.5 – 8.2 mm	0.5 – 8.2 mm
Display	LED | LCD	LED | LCD	LED | LCD
Dimensions (W × H × D)	70 × 193 × 147 mm 70 × 193 × 154 mm	70 × 193 × 147 mm 70 × 193 × 154 mm	70 × 193 × 147 mm 70 × 193 × 154 mm
Protection class according to DIN EN 60529	IP 54	IP 54	IP 54

EUROSTAR 20 digital

Ident. No. 0004442000

EUROSTAR 40 digital

Ident. No. 0004444000

EUROSTAR 60 digital

Ident. No. 0004446000

EUROSTAR 60 control

Ident. No. 0004440000

Quiet operation with brushless DC motor

EUROSTAR 100 digital

Ident. No. 0004238100

EUROSTAR 100 control

Ident. No. 0004028500

EUROSTAR 200 digital

Ident. No. 0003990000

EUROSTAR 200 control

Ident. No. 0003992000

TECHNICAL DATA	EUROSTAR 20 DIGITAL | 40 DIGITAL	EUROSTAR 60 DIGITAL | CONTROL	EUROSTAR 100 DIGITAL | CONTROL	EUROSTAR 200 DIGITAL | CONTROL
Stirring quantity max. (H_2O)	15 l | 25 l	40 l	100 l	100 l
Speed range	0 / 30 – 2000 rpm	0 / 30 – 2000 rpm	0 / 30 – 1300 rpm	I: 0 / 6 – 400 rpm II: 30 – 2000 rpm
Viscosity max.	10 000 l 30 000 mPas	50 000 mPas	70 000 mPas	100 000 mPas
Torque max. at stirring shaft	20 Ncm | 40 Ncm	60 Ncm	100 Ncm	I: 200 Ncm II: 40 Ncm
Chuck range diameter	0.5 – 10 mm	0.5 – 10 mm	0.5 – 10 mm	0.5 – 10 mm
Display	LED	LED | TFT	LED | TFT	LED | TFT
Temperature measuring range	– | –	– | -10 – 350 °C	– | -10 – 350 °C	– | -10 – 350 °C
Dimensions (W × H × D)	86 × 248 × 208 mm	86 × 248 × 208 mm 86 × 267 × 230 mm	86 × 248 × 208 mm 86 × 267 × 230 mm	91 × 274 × 209 mm 91 × 297 × 231 mm
Protection class according to DIN EN 60529	IP 42	IP 42 | IP 40	IP 42 | IP 40	IP 42 | IP 40

OVERHEAD STIRRERS | EUROSTARS

EUROSTAR 400 digital

Ident. No. 0004214000

EUROSTAR 400 control

Ident. No. 0004214100

EUROSTAR 20 high speed digital

Ident. No. 0004028600

EUROSTAR 20 high speed control

Ident. No. 0020015223

Cone seat for precision shaft

EUROSTAR 100 control P4

Ident. No. 0025004384

EUROSTAR 200 control P4

Ident. No. 0004090000

Extremely powerful stirrer for highly viscous applications

TECHNICAL DATA	EUROSTAR 400 DIGITAL | CONTROL	EUROSTAR 20 HIGH SPEED DIGITAL | CONTROL	EUROSTAR 100 CONTROL P4	EUROSTAR 200 CONTROL P4
Stirring quantity max. (H_2O)	150 l	20 l	100 l	100 l
Speed range	I: 6 – 400 rpm II: 30 – 2000 rpm	0 / 150 – 6000 rpm	10 – 300 rpm	I: 0 / 4 – 108 rpm II: 16 – 530 rpm
Viscosity max.	100 000 mPas	10 000 mPas	100 000 mPas	150 000 mPas
Torque max. at stirring shaft	I: 400 Ncm II: 80 Ncm	20 Ncm	320 Ncm	I: 660 Ncm II: 130 Ncm
Chuck range diameter	3 – 16 mm	–	0.5 – 10 mm	0.5 – 10 mm
Display	LED | TFT	LED | TFT	TFT	TFT
Temperature measuring range	– | -10 – 350 °C	– | -10 – 350 °C	-10 – 350 °C	-10 – 350 °C
Dimensions (W × H × D)	114 × 325 × 245 mm 114 × 345 × 268 mm	86 × 325 × 208 mm 86 × 325 × 230 mm	86 × 352 × 230 mm	91 × 379 × 231 mm
Protection class according to DIN EN 60529	IP 42 | IP 40	IP 42 | IP 40	IP 40	IP 40

RW 20 digital

Ident. No. 0003593000

RW 28 digital

Ident. No. 0005040000

RW 47 digital

Ident. No. 0004050000

TECHNICAL DATA	RW 20 DIGITAL	RW 28 DIGITAL	RW 47 DIGITAL
Stirring quantity max. (H_2O)	20 l	80 l	200 l
Speed range	I: 60 – 500 rpm II: 240 – 2000 rpm	I: 60 – 400 rpm II: 240 – 1400 rpm	I: 57 – 275 rpm II: 275 – 1300 rpm
Viscosity max.	10 000 mPas	50 000 mPas	100 000 mPas
Torque max. at stirring shaft	I: 150 Ncm II: 24 Ncm	I: 900 Ncm II: 300 Ncm	I: 3000 Ncm II: 620 Ncm
Chuck range diameter	0.5 – 10 mm	1 – 10 mm	3 – 16 mm
Display	LED	LED	LED
Dimensions (W × H × D)	88 × 294 × 212 mm	123 × 364 × 252 mm	145 × 465 × 358 mm
Protection class according to DIN EN 60529	IP 20	IP 40	IP 54

OVERHEAD STIRRERS | Accessories

R 2302

R 1385

axial flow

R 1313

R 1355

R 3000.1

R 3003.2

radial flow

R 1300

R 3004.1

tangential flow

R 1376

R 1331
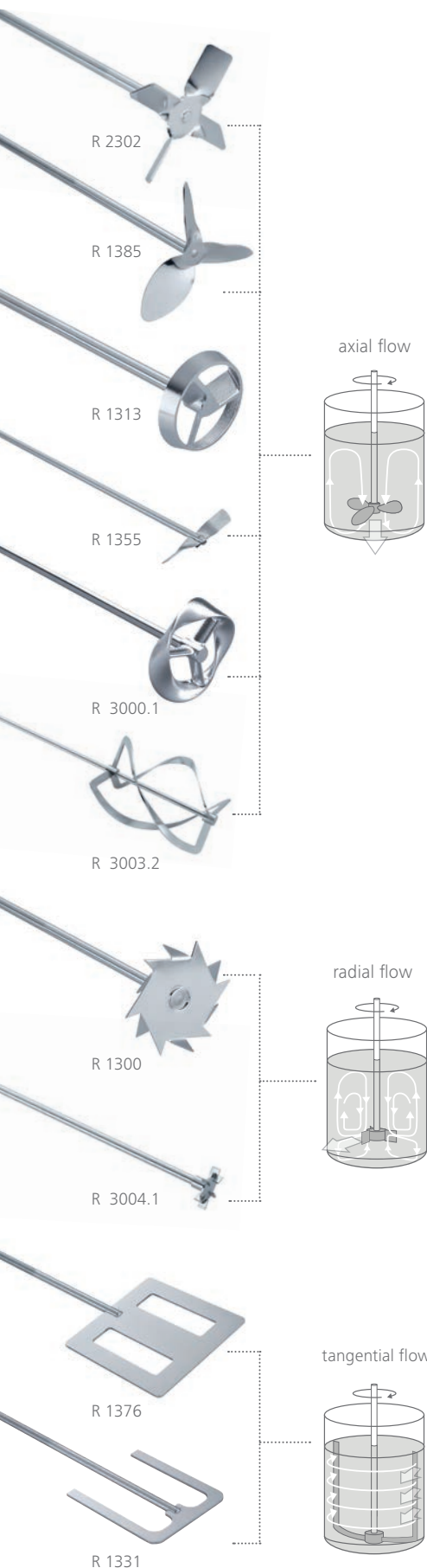
Product	Shaft length Shaft diameter Stirrer diameter	Max. speed	Ident. No.
PROPELLER STIRRERS, 4-BLADED			
R 1342	350 | 8 | 50 mm	≤ 2000 rpm	0000741000
R 1345	550 | 8 | 100 mm	≤ 800 rpm	0000741300
R 2302	800 | 13 | 150 mm	≤ 600 rpm	0000739000
PROPELLER STIRRERS, 3-BLADED			
R 1381	350 | 8 | 45 mm	≤ 2000 rpm	0001296000
R 1382	350 | 8 | 55 mm	≤ 2000 rpm	0001295900
R 1385	550 | 10 | 140 mm	≤ 800 rpm	0000477700
R 1388	800 | 10 | 140 mm	≤ 400 rpm	0000477800
R 1389*	350 | 8 | 75 mm	≤ 800 rpm	0002343600
TURBINE STIRRERS			
R 1311	350 | 8 | 30 mm	≤ 2000 rpm	0002332900
R 1312	350 | 8 | 50 mm	≤ 2000 rpm	0002333000
R 1313	400 | 10 | 70 mm	≤ 800 rpm	0002333100
CENTRIFUGAL STIRRERS			
R 1352	350 | 8 | 60/15 mm	≤ 2000 rpm	0000756900
R 1355	550 | 8 | 100/24 mm	≤ 800 rpm	0001132700
DISSOLVER STIRRERS			
R 1300	350 | 8 | 80 mm	≤ 2000 rpm	0000513500
R 1302	350 | 10 | 100 mm	≤ 1000 rpm	0002387900
R 1303	350 | 8 | 40 mm	≤ 2000 rpm	0002746700
PADDLE STIRRERS			
R 1375	550 | 8 | 70 mm	≤ 800 rpm	0000757700
R 1376	550 | 10 | 150 mm	≤ 800 rpm	0000757800
R 2311	800 | 13 | 150 mm	≤ 600 rpm	0000739500
ANCHOR STIRRERS			
R 1330	350 | 8 | 45 mm	≤ 1000 rpm	0002022300
R 1331	350 | 8 | 90 mm	≤ 1000 rpm	0002022400
R 1333	550 | 10 | 150 mm	≤ 800 rpm	0002747400
MOEBIUS STIRRERS			
R 3000.1	565 | 10 | 100 mm	≤ 800 rpm	0020001192
R 3001.1	575 | 10 | 100 mm	≤ 800 rpm	0020001195
SPIRAL STIRRERS			
R 3003	350 | 8 | 50 mm	≤ 800 rpm	0020001203
R 3003.1	550 | 10 | 100 mm	≤ 800 rpm	0020001204
R 3003.2	800 | 10 | 150 mm	≤ 800 rpm	0020001205
BLADE STIRRERS			
R 3004	359 | 8 | 30 mm	≤ 1000 rpm	0020001206
R 3004.1	565 | 10 | 50 mm	≤ 1000 rpm	0020001207
R 3004.2	819 | 10 | 70 mm	≤ 1000 rpm	0020001208
PADDLE STIRRERS | SCREW-TYPE STIRRERS			
R 1001	160 | 4 | 34 mm	2000 rpm	0000527400
R 1002	140 | 4 | 12 mm	2000 rpm	0000527500

* (PTFE-coated)

NANO-STAR 7.5 digital	MICRO-STARS digital / control	MINI-STARS digital / control	EUROSTAR 20 / 40 digital	EUROSTAR 60 digital / control	EUROSTAR 100 digital / control	EUROSTAR 200 digital / control	EUROSTAR 400 digital / control	EUROSTAR 100 & 200 control P4	RW 20 digital	RW 28 digital	RW 47 digital
++	++	++	++	++	++	++	++	++	++	++	−
−	−	−	−	++	++	++	++	++	−	++	++
−	−	−	−	−	−	−	++	−	−	−	++
++	++	++	++	++	++	++	++	++	++	++	−
++	++	++	++	++	++	++	++	++	++	++	−
−	−	−	−	−	−	++	++	++	−	++	++
−	−	−	−	−	−	++	++	−	−	++	++
++	++	++	++	++	++	++	++	++	++	++	−
++	++	++	++	++	++	++	++	++	++	++	−
++	++	++	++	++	++	++	++	++	++	++	−
−	−	−	−	++	++	++	++	++	−	++	−
++	++	++	++	++	++	++	++	++	++	+	−
−	−	−	−	++	++	++	++	++	−	++	++
++	++	++	++	++	++	++	++	++	++	++	−
−	−	−	−	++	++	++	++	++	−	++	++
++	++	++	++	++	++	++	++	++	++	++	−
+	+	+	+	++	++	++	++	++	−	++	−
−	−	−	−	−	−	++	++	++	−	++	++
−	−	−	−	−	−	−	++	−	−	−	++
++	++	++	++	++	++	++	++	++	++	−	−
−	−	−	−	++	++	++	++	++	−	++	−
−	−	−	−	−	−	++	++	++	−	++	++
−	−	−	++	++	++	++	++	++	++	++	++
−	−	−	++	++	++	++	++	++	++	++	++
+	+	+	++	++	++	++	++	++	++	++	++
−	−	−	++	++	++	++	++	++	++	++	++
−	−	−	−	−	+	+	++	−	−	++	++
++	++	++	++	++	++	++	++	++	++	++	++
−	−	−	++	++	++	++	++	++	++	++	++
−	−	−	++	++	++	++	++	−	++	++	++
++	++	++	++	+	+	+	+	+	++	−	−
++	++	++	++	+	+	+	+	+	++	−	−

++ IKA recommended | + Installable | − Not compatible

H 67.60   H 66.53

IKA [scale]

R 2723

Product	Ident. No.	NANOSTAR digital	MICRO-STARS digital | control	MINISTARS digital | control
TEMPERATURE SENSORS				
H 67.60 stainless steel	0025006664	–	control	control
H 67.61 stainless steel	0025007920	–	control	control
H 68.55 stainless steel	0025007921	–	control	control
H 70 extension cable	0002735600	–	control	control
SENSORS IN COMBINATION WITH H 70				
H 62.51 stainless steel	0002735451	–	control	control
H 66.51 glass-coated	0002735551	–	control	control
H 66.53 coated	0004499900	–	control	control
STANDS				
Plate stands				
IKA [scale]	0025004318	++	++	++
R 1825	0003160000	++	++	++
R 1826	0003160100	++	++	++
R 1827	0003160200	++	++	++
H-stand				
R 2722	0001412000	–	++	++
Telescopic stands				
R 2723	0001412100	–	++	++
R 474	0001643000	–	–	–
Floor stands				
R 472	0000738700	–	–	–
R 2850	0020002900	–	–	–
R 6547 H	0020018378	–	–	–
R 6547 E 400V	0020018384	–	–	–

R 270

R 271

RH 3

CLAMPS // Compatibility with stands (++ / −)

Product	R 182	R 270	R 271	RH 3	RH 5
IKA [scale]	++	–	–	++	–
R 1825	++	–	–	++	–
R 1826	++	–	–	++	–
R 1827	++	–	–	++	–
R 2722	–	++	++	–	++
R 2723	–	++	++	–	++

EUROSTAR 20 | 40 digital	EUROSTAR 60 digital | control	EUROSTAR 100 digital | control	EUROSTAR 200 digital | control	EUROSTAR 400 digital | control	EUROSTAR 100 & 200 control P4	EUROSTAR 20 high speed digital | control	RW 20 digital	RW 28 digital	RW 47 digital
–	control	control	control	control	++	control	–	–	–
–	control	control	control	control	++	control	–	–	–
–	control	control	control	control	++	control	–	–	–
–	control	control	control	control	++	control	–	–	–
–	control	control	control	control	++	control	–	–	–
–	control	control	control	control	++	control	–	–	–
–	control	control	control	control	++	control	–	–	–
++	+	–	–	–	–	–	++	–	–
++	+	+	–	–	–	–	++	–	–
++	+	+	–	–	–	–	++	–	–
++	+	+	–	–	–	–	++	–	–
++	++	++	++	++	++	++	++	++	–
++	++	++	++	++	++	++	++	++	–
–	–	–	–	–	–	–	–	–	++
–	–	–	–	–	–	–	–	–	++
–	–	++	++	++	++	–	–	++	–
–	–	–	–	–	–	–	–	–	++
–	–	–	–	–	–	–	–	–	++

++ IKA recommended | + Installable | – Not compatible

R 1401   R 1402

R 301

WH 11

Product	Description	Ident. No.
ACCESSORIES EUROSTAR 20 HIGH SPEED DIGITAL AND CONTROL		
R 1401	Propeller, Ø 55 mm	0001242900
R 1405	Propeller, Ø 45 mm	0001289800
R 1402	Dissolver, Ø 42 mm	0001243300
ACCESSORIES FOR PROTECTION AND SAFETY		
R 301	Stirring shaft protection	0002603000
R 301.1	Support holder for R 301	0002604000
R 303	Stirring shaft protection	0030000257
SI 400	Safety switch	0003294800
SI 472	Fixing device for SI 400 to R 472 stand	0003264000
SI 474	Fixing device for SI 400 to R 474 or T 653 stand	0003264400
FURTHER ACCESSORIES		
WH 11	Wall mount for WiCo	0025001500
FK 1	Flexible coupling	0002336000
R 60	Keyless chuck	0003889500
R 60.1	Keyless chuck	0025007821

LABORATORY SOFTWARE
labworldsoft® 6 Starter

Ident. No. 0020019397

labworldsoft® 6 Pro

Ident. No. 0020017366

labworldsoft® is a laboratory software to control lab devices, automate processes, and to document your measurements and results. The software provides access to a huge library of different laboratory devices. labworldsoft® does not integrate only IKA laboratory devices, but supports several other devices from different manufacturers as well. You stay flexible in the choice of your lab devices you want to use and profit from the whole device range of the laboratory world.

SAFETY FIRST

Stress-free mixing at your convenience with increased productivity, flexibility and enhanced safety features. A safety stop function allows for example the quick stop of the overhead stirrer. Stirring shaft protection, which is available as an accessory prevents potential injuries due to the rotating shafts and stirring elements. The clear display of the control versions shows all relevant values such as torque and speed as well as PC connectivity if the device is controlled with labworldsoft®. This ensures a constant overview of the stirring process.

Mixing, heating, cooling – It's no longer a question of "either/or". The powerful MATRIX thermo-shakers can do everything you need. You can achieve optimal mixing results with the smallest of volumes, whether it's blood samples, pharmaceutical agents, DNA / RNA samples or ELISA assays. In combination with IKA incubation shakers, centrifuges, pipettes and the Dry Block Heater, our thermoshakers facilitate an optimum workflow in the field of Sample Handling, Liquid Handling and Cell Handling.

MATRIX ORBITAL DELTA PLUS
/// The thermoshaker with cooling feature

The MATRIX Orbital Delta Plus is the youngest member of the MATRIX family. This thermoshaker mixes, heats and cools samples in the milliliter range. This simultaneity ensures particularly good mixing and shorter reaction times. A speed range of up to 3000 rpm and a 3 mm shaking stroke contribute to controlled, rapid and even mixing to the most challenging samples.

AWARD-WINNING DESIGN
The MATRIX Orbital Delta Plus has been awarded the coveted German Design Award 2021. That's because it is designed to sit on a sturdy mount, even with its minimal footprint. Its clear shape, smooth surface and inventive layout not only make this thermoshaker look good, but also makes it easier to use – as per the well-known IKA menu navigation.

SIMPLY USER-FRIENDLY
There are countless attachments available for the MATRIX Orbital Delta Plus, all of which can be changed quickly and easily. The special attachment fixing system improves temperature transfer and the outer plastic casing ensures the users don't burn their fingers..

ACCESSORIES FOR LIFE SCIENCE APPLICATIONS
All of the equipment in the IKA MATRIX range can be combined with the most varied of micro-titration plates, deep well plates, Eppendorf reaction vessels, PCR strips, Greiner tubes, micro-plates and cuvettes. The IKA ThermoCover prevents the formation of condensation on the vessel cover, meaning that the sample concentration remains constant. And a temperature sensor in the attachment ensures both accuracy and homogeneity.

Matrix Orbital

Ident. No. 0020025594

Mixing

Mixing & heating

① **Matrix Orbital Δ FP**

Ident. No. 0020025686

② **Matrix Orbital Δ F0.5**

Ident. No. 0020025656

③ **Matrix Orbital Δ F1.5**

Ident. No. 0020025666

④ **Matrix Orbital Δ F2.0**

Ident. No. 0020025676

TECHNICAL DATA	MATRIX ORBITAL	MATRIX ORBITAL Δ FP | F0.5 | F1.5 | F2.0
Type of movement	Orbital	Orbital
Speed range	300 – 3000 rpm	FP I F0.5: 300 – 2000 rpm F1.5 I F2.0: 300 – 1500 rpm
Shaking stroke	3 mm	3 mm
Heating range	–	RT + 4 °C – 100 °C
Permissible shaking weight (incl. attachment)	0.3 kg	0.3 kg
Operating mode	Timer and continuous operation	Timer and continuous operation
Dimensions (W × H × D)	198 × 124 × 318 mm	FP: 216 × 147 × 351 mm F0.5: 216 × 149 × 351 mm F1.5 / 2.0: 216 × 158 × 351 mm
Protection class according to DIN EN 60529	IP 21	IP 21

Matrix Δ+

Ident. No. 0020100537

Heating & cooling

Mixing, heating & cooling

Matrix Orbital Δ+

Ident. No. 0020100525

TECHNICAL DATA	MATRIX Δ+	MATRIX ORBITAL Δ+
Type of movement	–	Orbital
Speed range	–	300 – 3000 rpm
Shaking stroke	–	3 mm
Heating range	RT -30 °C – 110 °C	RT -15 °C – 100 °C
Permissible shaking weight (incl. attachment)	0.3 kg	0.3 kg
Operating mode	Timer and continuous operation	Timer and continuous operation
Dimensions (W × H × D)	216 × 127 × 351 mm	216 V 127 × 351 mm
Protection class according to DIN EN 60529	IP 21	IP 21

| Product	Description	Ident. No.
ACCESSORIES THERMOSHAKERS		
(A) Matrix Cover	Cover	0030001253
(B) Matrix Thermo Cover	Cover, heatable	0030001244
(K) Matrix PCR 96 attachment	Attachment for 96 PCR plates	0030000853
(L) Matrix PCR 384 attachment	Attachment for 384 PCR plates	0030000857
(J) Matrix 0.5 ml attachment	Attachment for vials, 24 × 0.5 ml vials	0030000840
(G) Matrix 1.5 ml attachment	Attachment for vials, 24 × 1.5 ml vials	0030000829
(F) Matrix 2.0 ml attachment	Attachment for vials, 24 × 2.0 ml vials	0030000834
(E) Matrix 5 ml attachment	Attachment for vials, 8 × 5 ml vials	0030000859
(H) Matrix 12 mm attachment	Attachment for vials, 24 × 12 mm vials	0030000844
(D) Matrix 15 ml attachment	Attachment for vials, 8 × 15 ml vials	0030000821
(C) Matrix 50 ml attachment	Attachment for vials, 4 × 50 ml vials	0030000863
(I) Matrix Cryo attachment	Attachment for vials, 24 × cryo vials	0030000848
(3) Matrix 0.5 ml insert	Insert for 0.5 ml vials	0030001157
(2) Matrix 1.5 / 2.0 ml insert	Insert for 1.5 / 2.0 ml vials	0030001158
(1) Matrix PCR insert	Insert for 0.2 ml PCR vials	0030001159
(M) Matrix plate attachment	Attachment for microtiter plates	0030000849

Shaken, not stirred. At IKA, experience and passion for the laboratory shaker go back nearly 100 years. Today we cover the entire range of motion in mixing technology. In combination with innovative automation, high-quality materials and ergonomic design, people rock, roll, turn and shake with us.

KS 3000 IC CONTROL
/// Incubation shaker

The KS 3000 ic control is a universal benchtop incubation shaker. It mixes and incubates, making it ideal for cultivating cells, bacterial suspensions, hybridization, staining and decolorizing, and metabolic studies. In addition to experiments with biological cultures, it is also ideal for solubility studies, extraction processes and general mixing processes.
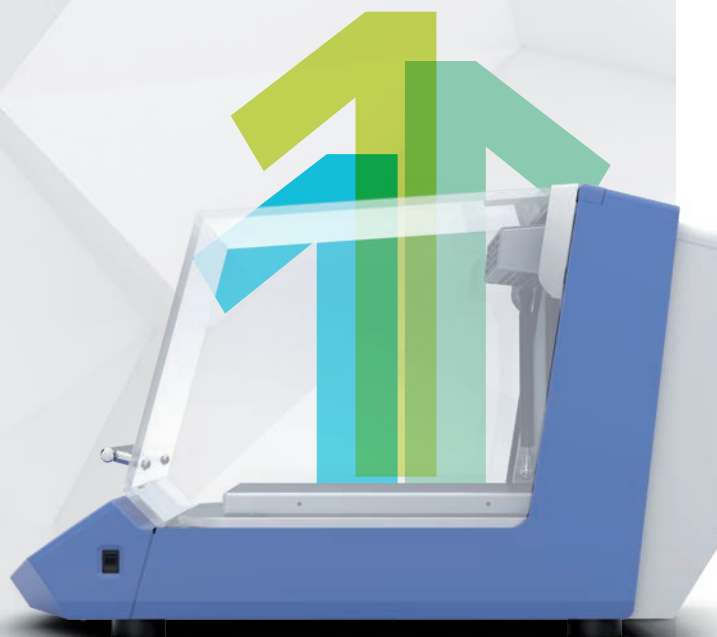
VERSATILE – THANKS TO ITS MANY ACCESSORIES
Under its hood, the KS 3000 ic control offers you a world of options: Countless attachments, flasks, bowls and vessels make this simple device so versatile and make it stand out among incubation shakers.

HEAVY SHAKING WEIGHT
With a shaking weight of 7.5 kg, which is a lot for its compact size, the KS 3000 ic control is an extremely powerful laboratory shaker.

TEMPERATURE CONTROL WITHIN THE MEDIUM
KS 3000 ic control not only has a heat exchanger, it also has a sensor in the medium. This allows the temperature to be set directly within the sample.

① **KS 3000 i control**

Ident. No. 0003940000

② **KS 3000 ic control**

Ident. No. 0003940100

②

KS 3000 ic with
built-in cooling coil

① **KS 4000 i control**

Ident. No. 0003510000

② **KS 4000 ic control**

Ident. No. 0003510100

①

Allows unattended
operation

TECHNICAL DATA	KS 3000 I	IC	KS 4000 I	IC
Type of movement	Orbital	Orbital
Permissible shaking weight (incl. attachment)	7.5 kg	20 kg
Speed range	10 – 500 rpm	10 – 500 rpm
Timer display	7 segment LED	7 segment LED
Speed display	LED	LED
Operating mode	Timer and continuous operation	Timer and continuous operation
Temperature range (inlet T>3°C)	RT +5 °C – 80 °C | RT -10 °C – 80 °C	RT +5 °C – 80 °C | RT -10 °C – 80 °C
Total volume inner chamber	50 l	90 l
Dimensions (W × H × D)	465 × 430 × 695 mm	580 × 525 × 750 mm
Protection class according to DIN EN 60529	IP 30	IP 30

① **ROCKER 2D basic**

Ident. No. 0004002000

② **ROCKER 2D digital**

Ident. No. 0004003000

① **ROCKER 3D basic**

Ident. No. 0004000000

② **ROCKER 3D digital**

Ident. No. 0004001000

Adjustable shaking angle: 2.5 – 15°

① **ROLLER 6 basic**

Ident. No. 0004010000

② **ROLLER 6 digital**

Ident. No. 0004011000

① **ROLLER 10 basic**

Ident. No. 0004012000

② **ROLLER 10 digital**

Ident. No. 0004013000

Removable rolls

reddot award 2015 winner

TECHNICAL DATA	ROCKER 2D BASIC | DIGITAL	ROCKER 3D BASIC | DIGITAL	ROLLER 6 BASIC | DIGITAL	ROLLER 10 BASIC | DIGITAL
Type of movement	Rocking	Tumbling	Rocking and rolling	Rocking and rolling
Speed range	0 – 80 rpm	30 rpm | 0 – 80 rpm	30 rpm | 0 – 80 rpm	30 rpm | 0 – 80 rpm
Timer display	– | 7 segment LED	– | 7 segment LED	– | 7 segment LED	– | 7 segment LED
Speed display	– | 7 segment LED	– | 7 segment LED	– | 7 segment LED	– | 7 segment LED
Operating mode	Continuous operation | Timer and continuous operation	Continuous operation | Timer and continuous operation	Continuous operation | Timer and continuous operation	Continuous operation | Timer and continuous operation
Dimensions (W × H × D)	280 × 150 × 330 mm	280 × 165 × 330 mm 280 × 185 × 330 mm	240 × 115 × 545 mm	380 × 115 × 545 mm
Protection class according to DIN EN 60529	IP 21	IP 21	IP 21	IP 21

① **Loopster basic**

Ident. No. 0004015000

② **Loopster digital**

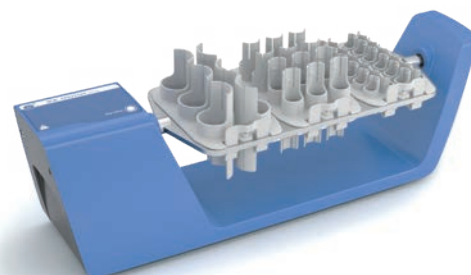Ident. No. 0004016000   ②

① **Trayster basic**

Ident. No. 0004005000

② **Trayster digital**

Ident. No. 0004006000   ①

> Different attachments allow a variety of applications

① **Hula Dancer basic**

Ident. No. 0025004320

② **Hula Dancer digital**

Ident. No. 0025003634   ②

① **MS 3 basic**

Ident. No. 0003617000

② **MS 3 digital**

Ident. No. 0003319000   ③

③ **MS 3 control**

Ident. No. 0020016017

TECHNICAL DATA	LOOPSTER BASIC | DIGITAL	TRAYSTER BASIC | DIGITAL	HULA DANCER BASIC | DIGITAL	MS 3 BASIC | DIGITAL | CONTROL
Type of movement	Rotating	Overhead	Orbital	Orbital
Permissible shaking weight (incl. attachment)	2 kg	2 kg	0.1 kg	0.5 kg
Speed range	20 rpm | 0 – 80 rpm	20 rpm | 0 – 80 rpm	2800 rpm | 1200 – 2800 rpm	200– 3000 rpm | 200 – 3000 rpm | 100 – 3000 rpm
Timer display	– | 7 segment LED	– | 7 segment LED	– | –	– | 7 segment LED | LCD
Operating mode	Continuous operation | Timer and continuous operation	Continuous operation | Timer and continuous operation	–	Continuous operation | Timer and continuous operation | Timer and continuous operation
Dimensions (W × H × D)	300 × 360 × 300 mm	460 × 180 × 140 mm	123 × 42 × 123 mm	148 × 63 × 205 mm
Protection class according to DIN EN 60529	IP 21	IP 21	IP 42	IP 21

VORTEX 2

Ident. No. 0025000258

VORTEX 3

Ident. No. 0020011931

HANDS FOR CHILDREN

The aid project HANDS FOR CHILDREN was created in 2000 by IKA owner and Managing Director René Stiegelmann. In the context of this voluntary initiative, retired IKA employees assemble laboratory equipment free-of-charge, so that the proceeds can be used for children's charity programs. More than 2000 voluntary hours per year are used for the benefit of medical care for disabled children in Uganda and for schooling programs in Tanzania, for example.

TECHNICAL DATA	VORTEX 2	VORTEX 3
Type of movement	Orbital	Orbital
Speed range	500 – 2500 rpm	0 – 2500 rpm
Timer	No	No
Speed display	Scale	Scale (0-6)
Operating mode	Continuous / touch operation	Continuous / touch operation
Permissible shaking weight (incl. attachment)	0.4 kg	0.4 kg
Dimensions (W × H × D)	120 × 140 × 138 mm	127 × 136 × 149 mm
Protection class according to DIN EN 60529	IP 21	IP 21

VORTEX 1

Ident. No. 0004047700

VXR basic Vibrax®

Ident. No. 0002819000

MTS 2/4 digital

Ident. No. 0003208000

For shaking two or four microtiter plates

lab dancer

Ident. No. 0003365000

TECHNICAL DATA	VORTEX 1	VXR BASIC VIBRAX®	MTS 2/4 DIGITAL	LAB DANCER
Type of movement	Orbital	Orbital	Orbital	Orbital
Speed range	1000 – 2800 rpm	100 – 2200 rpm	50 – 1100 rpm	2800 rpm
Timer	–	–	Yes	–
Speed display	–	Scale	Scale	–
Operating mode	Touch operation	Continuous operation	Timer and continuous operation	Touch operation
Permissible shaking weight (incl. attachment)	0.1 kg	2 kg	1 kg; 2/4 MT-plates	0.1 kg
Dimensions (W × H × D)	95 × 70 × 110 mm	157 × 130 × 247 mm	185 × 105 × 320 mm	100 × 70 × 100 mm
Protection class according to DIN EN 60529	IP 40	IP 21	IP 21	IP 40

① **KS 130 basic**

Ident. No. 0002980000

② **KS 130 control**

Ident. No. 0002980100

③ **KS 130 control NOL**

Ident. No. 0020011932

③

BESTSELLER

① **KS 260 basic**

Ident. No. 0002980200

② **KS 260 control**

Ident. No. 0002980300

③ **KS 260 control NOL**

Ident. No. 0020011933

①

TECHNICAL DATA	KS 130 BASIC | CONTROL	KS 260 BASIC | CONTROL
Type of movement	Orbital	Orbital
Shaker diameter	4 mm	10 mm
Permissible shaking weight (incl. attachment)	2.0 kg	7.5 kg
Speed range	80 – 800 rpm	50 – 500 rpm | 10 – 500 rpm
Timer display	LED line | LCD	LED line | LCD
Speed display	LED line | LCD	LED line | LCD
Operating mode	Timer and continuous operation	Timer and continuous operation
Dimensions (W × H × D)	270 × 98 × 316 mm	360 × 98 × 420 mm
Protection class according to DIN EN 60529	IP 21	IP 21

① **HS 260 basic**

Ident. No. 0003066600

② **HS 260 control**

Ident. No. 0003066700

③ **HS 260 control NOL**

Ident. No. 0020011934

②

15 kg permissible
shaking weight

① **HS 501 digital**

Ident. No. 0025002982

② **KS 501 digital**

Ident. No. 0025002985

①

TECHNICAL DATA	HS 260 BASIC | CONTROL	HS 501 DIGITAL | KS 501 DIGITAL
Type of movement	Reciprocating	Reciprocating | Orbital
Shaker diameter	20 mm	30 mm
Permissible shaking weight (incl. attachment)	7.5 kg	15 kg
Speed range	20 – 300 rpm I 10 – 300 rpm	0 – 300 rpm
Timer display	LED line | LCD	Scale
Speed display	LED line | LCD	7 segment LED
Operating mode	Timer and continuous operation	Timer and continuous operation
Dimensions (W × H × D)	360 × 100 × 420 mm	505 × 120 × 585 mm
Protection class according to DIN EN 60529	IP 21	IP 21

SHAKERS | Accessories

RD 1

TB 1   TB 3

DS 2
Tube attachment

DS 4
Tube attachment

DS 6.1

DS 6.2

DS 6.3

DS 6.4
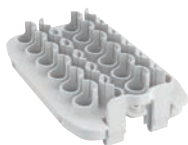
TR 1   TR 2

TR 3   TR 4

Product	Description	Ident. No.
ACCESSORIES ROCKER		
A 2	Second level attachment	0004581700
RD 1	Universal mat	0004532000
RD 2	Burled mat	0004532100
TB 1	Tray, 24 × 5 ml, Ø 12 mm	0004532200
TB 2	Tray, 12 × 15 ml, Ø 16 mm	0004532300
TB 3	Tray, 10 × 30 ml, Ø 25 mm	0004532400
TB 4	Tray, 8 × 30 ml, Ø 28 mm	0004532500
ACCESSORIES LOOPSTER		
DS 1	Tube attachment, 48 × 1.5 ml, Ø 10 mm	0004524000
DS 2	Tube attachment, 24 × 5 ml, Ø 12 mm	0004524100
DS 3	Tube attachment, 20 × 15 ml, Ø 16 mm	0004524200
DS 4	Tube attachment, 2 × 30 ml, Ø 25 mm	0004524300
DS 5	Tube attachment, 12 × 50 ml, Ø 28 mm	0004524400
DS 6	Universal disc	0004524500
DS 6.1	Spare clips, Ø 10 mm, 12 pcs.	0004524600
DS 6.2	Spare clips, Ø 12 mm, 12 pcs.	0004524700
DS 6.3	Spare clips, Ø 16 mm, 12 pcs.	0004524800
DS 6.4	Spare clips, Ø 25 mm, 12 pcs.	0004524900
DS 6.5	Spare clips, Ø 28 mm, 12 pcs.	0004525000
ACCESSORIES TRAYSTER		
TR 1	Tube insert, 24 × 1.5 ml, Ø 10 mm	0004525100
TR 2	Tube insert, 24 × 5 ml, Ø 12 mm	0004525200
TR 3	Tube insert, 12 × 15 ml, Ø 16 mm	0004525300
TR 4	Tube insert, 6 × 50 ml, Ø 28 mm	0004525400

MS 1.33

MS 1.32

MS 1.31

MS 3.5

MS 3.3

MS 3.1

VG 3.35

VG 3.34

VG 3.32

VG 3.31

VG 3.1

VG 3.3

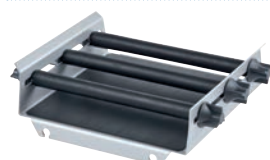| Product	Description	Ident. No.
**ACCESSORIES MS 3 BASIC	DIGITAL	CONTROL**		
MS 3.1	Standard attachment	0003426300
MS 3.3	Universal attachment	0003426600
MS 1.21	One-hand insert	000L001540
MS 1.30	Attachment for 0.5 ml tubes	0025005776
MS 1.31	Test tube insert, 14 × Ø 10 mm	000L001840
MS 1.32	Test tube insert, 6 × Ø 12 mm	000L001850
MS 1.33	Test tube insert, 4 × Ø 16 mm	000L001860
MS 1.34	Test tube insert	000L001830
MS 3.4	Microtiter plate attachment	0003426400
MS 3.5	PCR plate attachment, 96-well	0003428000
**ACCESSORIES VORTEX 2	VORTEX 3**		
VG 3.1	Standard attachment	0003341200
VG 3.2	One-hand attachment	0003342300
VG 3.21	Rubber mat	0020008398
VG 3.3	Universal attachment, 150 mm	0003342400
VG 3.30	Attachment for PCR-tubes, 0.2 ml	0025005779
VG 3.31	Test tube attachment for 54 Eppendorf tubes	0003344300
VG 3.32	Test tube attachment, 18 × Ø 10 mm	0003343900
VG 3.33	Test tube attachment, 12 × Ø 12 mm	0003344000
VG 3.34	Test tube attachment, 8 × Ø 16 mm	0003344100
VG 3.35	Test tube attachment, 8 × Ø 20 mm	0003344200
VG 3.36	Erlenmeyer flask attachment, 100 – 250 ml	0003342100
VG 3.37	Microtiter plate attachment	0003344400

New accessory

VX 2E.n

VX 2   VX 11.1

AS 130.1

AS 260.3

AS 1.10

AS 501.2   AS 501.3   AS 501.6

Product	Description	Ident. No.
ACCESSORIES VXR		
VX 1	One-hand attachment, 1 – 250 ml	0000607200
VX 2	Test tube attachment, 36 × Ø 16 mm	0000568900
VX 2E.n	Eppendorf attachment, 64 × 1.5 ml	0020018016
VX 7	Dish attachment	0000953300
VX 8	Universal attachment	0000910400
VX 11	Basic holder	0003627700
VX 11.1	Test tube insert, 70 × Ø 10 mm	0003659000
VX 11.2	Test tube insert, 41 × Ø 12 mm	0003659100
VX 11.3	Test tube insert, 32 × Ø 16 mm	0003659200
VX 11.4	Test tube insert, 18 × Ø 20 mm	0003659300
VX 11.5	Attachment for 30 ml tubes, 12 × Ø 23 mm	0025005778
VX 11.6	Attachment for 50 ml tubes, 8 × Ø 27 mm	0025005777
VX 8.1	Clamping roll	0003375400
**ACCESSORIES KS 130 BASIC	CONTROL**		
AS 130.1	Universal attachment	0008017300
AS 130.2	Fixing clip attachment	0003115000
AS 130.3	Dish attachment	0003120000
AS 130.4	Test tube attachment	0003120300
**ACCESSORIES KS	HS 260 BASIC	CONTROL AND KS 3000**		
AS 260.1	Universal attachment	0008017400
AS 260.2	Fixing clip attachment	0003115500
AS 260.3	Dish attachment	0003120600
AS 260.5	Separating funnel attachment	0003120900
**ACCESSORIES KS	HS 501 DIGITAL**		
AS 501.1	Universal attachment	0008000200
AS 501.2	Separating funnel attachment	0008000300
AS 501.3	Separating funnel attachment	0008000400
AS 501.4	Fixing clip attachment	0002341100
AS 501.5	Dish attachment	0002339600
AS 501.6	Separating funnel attachment	0008000500

AS 1.400

AS 4000.1

AS 1.30

AS 1.31

AS 1.7

AS 1.13

AS 2.1   AS 2.4   AS 2.6

Product	Description	Ident. No.
ACCESSORIES KS 4000 I | IC CONTROL		
AS 4000.1	Universal attachment	0008022200
AS 4000.2	Fixing clip attachment	0003710100
AS 4000.3	Dish attachment	0003710000
AS 1.400	Basic holder for AS 4000.1	0003710200
AS 1.401	Clamping roll for AS 4000.1	0003712000
AS 1.402	Fastening screw for AS 4000.1	0003712300
ACCESSORIES		
AS 1.30	Basic holder for AS 130.1	0003148000
AS 1.60	Basic holder for AS 260.1	0003149000
AS 1.10	Basic holder for AS 501.1	0002339700
AS 1.31	Clamping roll for AS 130.1	0003030500
AS 1.61	Clamping roll for AS 260.1	0003030501
AS 1.11	Clamping roll for AS 501.1	0002339800
AS 1.6	Clamping device for AS 501.1	0001268400
AS 1.7	Clamping device for AS 501.1	0001269200
AS 1.12	Supporting bar for AS 1.10	0002594500
AS 1.13	Ground section holder for AS 1.10	0002597000
STICKMAX	Universal adhesive mat	0003920000
AS 2.0	Fixing clips, 10 ml	0020016475
AS 2.1	Fixing clips, 25 ml	0001234300
AS 2.2	Fixing clips, 50 ml	0001234400
AS 2.3	Fixing clips, 100 ml	0001234500
AS 2.4	Fixing clips, 200 | 250 ml	0001234600
AS 2.5	Fixing clips, 500 ml	0001234700
AS 2.6	Fixing clips, 1000 ml	0003819300
AS 2.7	Fixing clips, 2000 ml	0020016476

STICKMAX

IKA's ULTRA-TURRAX® – used for homogenizing, emulsifying or suspending. The digital display allows you to keep track of the speed and the development of the products focused on a soft start of the motor. There is a broad spectrum of dispersing tools to choose from. Common disperser applications include: homogenization of effluent samples, dispersing tasks under vacuum pressure, and PCR analysis.

T 25 EASY CLEAN DIGITAL AND CONTROL
/// The new dispersing experience

More quiet, clean and even remote controlled: The T 25 easy clean high-performance disperser in the digital and control versions will change your dispersing experience. These instruments hit the spot with electronic speed control from 3000 – 25 000 rpm, a working volume of 1 – 2000 ml (water), a long service life both for the drive and tools, as well as a wide range of dispersing tools to choose from. Medical samples are perfectly homogenised, cosmetics emulsified and paints suspended.

ELECTRONICALLY COMMUTATED MOTOR
IKA applies a new motor technology to the devices in the T 25 easy clean series: The brushless DC motor, with a noise level of 70 dB, ensures a significant noise reduction in the lab. It also allows carbon dust-free operation.

EASY CLEANING
Easy clean means: The dispersing element is easily cleaned without disassembly, thanks to its manually extendable rotor.

INTEGRATED TEMPERATURE MEASUREMENT
Yet another highlight is the patented, integrated temperature measurement in the T 25 easy clean control version. The temperature sensor is integrated into the tool and thus enables the permanent monitoring of the medium temperature.

ULTRA-TURRAX® Tube Drive

Ident. No. 0003646000

ULTRA-TURRAX® Tube Drive
P control Workstation

Ident. No. 0020022030

ULTRA-TURRAX® Tube Drive
P control

Ident. No. 0025005981

TECHNICAL DATA	UTTD® TUBE DRIVE	UTTD® TUBE DRIVE P CONTROL	UTTD® TUBE DRIVE P CONTROL WORKSTATION
Process type	Batch	Batch	Batch
Speed range	300 – 6000 rpm	400 – 8000 rpm	400 – 8000 rpm
Timer	–	OLED	OLED
Noise without element	50 dB(A)	50 dB(A)	50 dB(A)
Reversible direction of rotation	–	Yes	Yes
Viscosity max.	5000 mPas	5000 mPas	5000 mPas
Dimensions (W × H × D) Dimension case (W × H × D)	100 × 40 × 160 mm	122 × 54 × 178 mm	122 × 54 × 178 mm 270 × 78 × 225 mm
Protection class according to DIN EN 60529	IP 20	IP 20	IP 20

DISPERSERS | Accessories

ST-20

ST-50-M

DT-20

DT-50-M

New accessory

BMT-20-G-M

BMT-20-S-IVD.50

Product	Description	Ident. No.
ST TUBES WITH STIRRING ELEMENT		
ST-20	Tube with stirring element, 20 ml, 25 pcs.	0003703000
ST-20-M-gamma	Tube with stirring element, sterile, 20 ml , 20 pcs., membrane lid	0003700500
ST-50	Tube with stirring element, 50 ml, 10 pcs.	0003699500
ST-50-M-gamma	Tube with stirring element, sterile, 50 ml, 10 pcs., membrane lid	0003701500
DT TUBES WITH ROTOR-STATOR ELEMENT		
DT-20	Tube with rotor-stator element, 20 ml, 25 pcs.	0003703100
DT-20-M-gamma	Tube with rotor-stator element, sterile, 20 ml, 20 pcs., membrane lid	0003700600
DT-20 eco	Tube with rotor-stator element, 20 ml, 25 pcs.	0020003207
DT-50	Tube with rotor-stator element, 50 ml, 10 pcs.	0003699600
DT-50-M-gamma	Tube with rotor-stator element, sterile, 50 ml, 10 pcs., membrane lid	0003701600
DT-50 eco	Tube with rotor-stator element, 50 ml, 10 pcs., membrane lid	0020003213
**BMT G	S TUBES FOR GRINDING WITH GLASS (G) OR STAINLESS STEEL (S) BALLS**		
BMT-20-S	Tube with stirring element, stainless steel balls, 20 ml, 25 pcs.	0003703200
BMT-20-G	Tube with stirring element, glass balls, 20 ml, 25 pcs.	0003703300
BMT-20-S-M-gamma	Tube with stirring element, sterile, stainless steel balls, 20 ml, 20 pcs., membrane lid	0003700701
BMT-20-G-M-gamma	Tube with stirring element, sterile, glass balls, 20 ml, 20 pcs., membrane lid	0020017448
BMT-20-S-IVD.50	Tube with stirring element, sterile, IVD label, stainless steel balls, 5 ml NaCl solution, 20 ml, 50 pcs.	0020019573
BMT-50-S	Tube with stirring element, stainless steel balls, 50 ml, 10 pcs.	0003699700
BMT-50-G	Tube with stirring element, glass balls, 50 ml, 10 pcs.	0003699800
BMT-50-S-M-gamma	Tube with stirring element, sterile, stainless steel balls, 50 ml, 10 pcs., membrane lid	0003701700

DIS-50-S-M   DIS-300-S-M

TC-50-M

Product	Description	Ident. No.
TUBES WITH DISSOLVER ELEMENT AND MEMBRANE LID		
DIS-50-S-M.10	Tube with dissolver blade, 50 ml, 10 pcs., stainless steel	0020016316
DIS-50-T-M.10	Tube with dissolver blade, 50 ml, 10 pcs., titanium	0020016317
DIS-300-S-M.10	Tube with dissolver blade, 300 ml, 10 pcs., stainless steel	0020016318
DIS-300-S-M.50	Tube with dissolver blade, 300 ml, 50 pcs., stainless steel	0020017313
TUBES WITH DISSOLVER ELEMENT		
DIS-300-S.10	Tube with dissolver blade, 300 ml, 10 pcs., stainless steel	0020026959
DIS-300-S.50	Tube with dissolver blade, 300 ml, 50 pcs., stainless steel	0020026960
COVERS		
TC-20-M	Cover, pierceable membrane, 25 pcs.	0003749900
TC-50-M	Cover, pierceable membrane, 10 pcs.	0003750000
BALLS FOR BMT TUBE		
Glass balls 6	Glass balls, 250 g	0003599200
Stainless steel balls 5	Stainless steel balls, 250 g	0003599300

BMT-20-S-IVD
/// For use in human medicine

BMT-20-S-IVD* is a universally applicable disposable mixing vessel for use in human medicine and infection diagnostics. The gamma-sterilized tube contains a stirring unit, 10 stainless steel balls and 5 ml of saline solution and has a screw-on cover with pierceable membrane. BMT-20-S-IVD facilitates and improves microbiological and molecular-biological analysis of patient samples such as tissue or intraoperative samples.

REDUCED RISK OF CONTAMINATION
No cross-contamination as sample is directly ground inside the vessel, no multiple opening of sample vessel required.

TIME SAVING
Disposable system, shorter sample preparation times, no cleaning of additional vessels.

TRACEABILITY
One single process for transport, grinding / homogenization and storage.

*Currently released distribution countries are United Kingdom, Switzerland, Spain, Malta, Luxembourg, Liechtenstein, Italy, Ireland, Iceland, Germany, France, Estonia, Belgium, Austria.

T 10 basic ULTRA-TURRAX®

Ident. No. 0003737000

T 18 digital ULTRA-TURRAX®

Ident. No. 0003720000

T 25 digital ULTRA-TURRAX®

Ident. No. 0003725000

reddot design award
winner 2012

T 50 digital ULTRA-TURRAX®

Ident. No. 0003787000

TECHNICAL DATA	T 10 BASIC ULTRA-TURRAX®	T 18 DIGITAL ULTRA-TURRAX®	T 25 DIGITAL ULTRA-TURRAX®	T 50 DIGITAL ULTRA-TURRAX®
Process type	Batch	Batch	Batch	Batch
Speed range	8000 – 30 000 rpm	3000 – 25 000 rpm	3000 – 25 000 rpm	600 – 10 000 rpm
Volume range (H$_2$O)	0.0005 – 0.1 l	0.001 – 1.5 l	0.001 – 2.0 l	0.25 – 30 l
Speed control	Stepless	Stepless	Stepless	Stepless
Noise without element	65 dB(A)	75 dB(A)	75 dB(A)	72 dB(A)
Extension arm length	100 mm	160 mm	160 mm	220 mm
Viscosity max.	5000 mPas	5000 mPas	5000 mPas	5000 mPas
Dimensions (W × H × D)	56 × 178 × 66 mm	87 × 271 × 106 mm	87 × 271 × 106 mm	115 × 355 × 139 mm
Protection class according to DIN EN 60529	IP 30	IP 20	IP 20	IP 20

T 25 easy clean digital

Ident. No. 0025006537

T 25 easy clean control

Ident. No. 0025006540

GERMAN DESIGN AWARD SPECIAL 2019

Patented integrated temperature measurement

T 65 basic ULTRA-TURRAX®

Ident. No. 0004023500

T 65 digital ULTRA-TURRAX®

Ident. No. 0004234500

TECHNICAL DATA	T 25 EASY CLEAN DIGITAL	CONTROL	T 65 BASIC ULTRA-TURRAX®	T 65 DIGITAL ULTRA-TURRAX®
Process type	Batch	Batch	Batch
Speed range	3000 – 25 000 rpm	7200 rpm	1000 – 9500 rpm
Volume range (H_2O)	0.001 – 2.0 l	2 – 50 l	2 – 50 l
Speed control	Stepless	–	Stepless
Noise without element	70 dB(A)	75 dB(A)	75 dB(A)
Extension arm length	160 mm		
Viscosity max.	5000 mPas	5000 mPas	5000 mPas
Dimensions (W × H × D)	89 × 270 × 161 mm	185 × 450 × 400 mm	300 × 390 × 400 mm
Protection class according to DIN EN 60529	IP 30	IP 54	IP 54

DISPERSERS | Accessories

S 10 N - 10 G - ST

S 10 D - 7 G - KS - 65

S 18 D - 10 G - KS

S 18 N - 19 G

S 18 | 25 - ET50

Product	Description	Ident. No.
DISPERSING ELEMENTS FOR T 10 BASIC		
S 10 N - 8 G - ST	Dispersing element, saw-tooth, Ø 8 mm	0004446500
S 10 N - 10 G - ST	Dispersing element, saw-tooth, Ø 10 mm	0004446700
S 10 N - 5 G	Dispersing element, Ø 5 mm	0003304000
S 10 N - 8 G	Dispersing element, Ø 8 mm	0003305500
S 10 N - 10 G	Dispersing element, Ø 10 mm	0003370100
S 10 D - 7 G - KS - 65	Plastic dispersing element, Ø 7 mm, 24 pcs.	0020002076
S 10 D - 7 G - KS - 110	Plastic dispersing element, Ø 7 mm, 24 pcs.	0020002075
DISPERSING ELEMENTS FOR T 18 DIGITAL		
S 18 N - 10 G	Dispersing element, Ø 10 mm	L004639
S 18 N - 19 G	Dispersing element, Ø 19 mm	L004640
S 18 D - 10 G - KS	Plastic dispersing element, Ø 10 mm, 12 pcs.	0003452400
S 18 D - 14 G - KS	Plastic dispersing element, Ø 14 mm, 12 pcs.	0003452300
S 18 | 25-ET50	Disposable tube	0003452500

S 25 N - 18 G - ST

S 25 KV - 2802

S 25 KV - 25 F

S 25 D - 14 G - KS

S 25 KD - 25 G - ST

Product	Description	Ident. No.
DISPERSING ELEMENTS FOR T 25 DIGITAL		
S 25 N - 8 G - ST	Dispersing element, saw-tooth, Ø 8 mm	0004446900
S 25 N - 10 G - ST	Dispersing element, saw-tooth, Ø 10 mm	0004447100
S 25 N - 18 G - ST	Dispersing element, saw-tooth, Ø 18 mm	0004447300
S 25 N - 25 G - ST	Dispersing element, saw-tooth, Ø 25 mm	0004447500
S 25 N - 8 G	Dispersing element, Ø 8 mm	0001024200
S 25 N - 10 G	Dispersing element, Ø 10 mm	0000594000
S 25 N - 18 G	Dispersing element, Ø 18 mm	0000593400
S 25 KV - 18 G	Dispersing element, Ø 18 mm	0002348000
S 25 N - 25 G	Dispersing element, Ø 25 mm	0001713300
S 25 KV - 25 G	Dispersing element, Ø 25 mm	0002466900
S 25 N - 25 F	Dispersing element, Ø 25 mm	0001713800
S 25 KV - 25 F	Dispersing element, Ø 25 mm	0002404000
S 25 KV - 2802	Dissolver stirrer, high speed	0020008825
S 25 D - 10 G - KS	Plastic dispersing element, Ø 10 mm, 12 pcs.	0003452200
S 25 D - 14 G - KS	Plastic dispersing element, Ø 14 mm, 12 pcs.	0003452100
S 25 KD - 18 G	Dispersing element, Ø 18 mm	0020002971
S 25 KD - 25 G	Dispersing element, Ø 25 mm	0020002972
S 25 KD - 18 G - ST	Dispersing element, saw-tooth, Ø 18 mm	0020002973
S 25 KD - 25 G - ST	Dispersing element, saw-tooth, Ø 25 mm	0020002974
S 25 KD - 25 F	Dispersing element, Ø 25 mm	0020002975
S 25 KD - LR - 25 G	Dispersing element, Ø 25 mm	0025007321
S 25 KD - LR - 25 F	Dispersing element, Ø 25 mm	0025007322
Silentstream	Flow breaker	0003754000
S 18 | 25-ET50	Disposable tube	0003452500
TS 25-3	Cleaning tool	0020003013
CT.15	Cleaning tube	0020006595

Prevents vortexing

Silentstream

TS 25-3

DISPERSERS | Accessories

S 25 EC - C - 18G - ST

S 25 EC - T - C - 25 F

S 50 KG - HH - G 45 G - ST

S 50 N - W 65 SK

Product	Description	Ident. No.
DISPERSING ELEMENTS FOR T 25 EASY CLEAN DIGITAL AND CONTROL		
S 25 EC - T - C - 18 G - ST	Dispersing element, Ø 18 mm, temperature measurement	0020007032
S 25 EC - C - 25 G - ST	Dispersing element, Ø 25 mm	0025002590
S 25 EC - C - 25 F	Dispersing element, Ø 25 mm	0025007215
S 25 EC - C - 18 G - ST	Dispersing element, Ø 18 mm	0025007399
S 25 EC - T - C - 25 G - ST	Dispersing element, Ø 25 mm, temperature sensor	0025002595
S 25 EC - T - C - 25 F	Dispersing element, Ø 25 mm, temperature sensor	0025007199
HS 25 EC - DW	Holder S 25 EC for dish washer	0025007380
WICO	Wireless remote control	0025006310
DISPERSING ELEMENTS FOR T 50 DIGITAL		
S 50 KG - HH - G 45 G	Dispersing element, Ø 45 mm	0008003200
S 50 KG - HH - G 45 G - ST	Dispersing element, Ø 45 mm	0010000648
S 50 KG - HH - G 45 M	Dispersing element, Ø 45 mm	0008003500
S 50 KG - HH - G 45 F	Dispersing element, Ø 45 mm	0008004100
S 50 N - G 45 G	Dispersing element, Ø 45 mm	0008003000
S 50 N - G 45 M	Dispersing element, Ø 45 mm	0008003300
S 50 N - G 45 F	Dispersing element, Ø 45 mm	0008003900
S 50 N - G 45 G - ST	Dispersing element, saw-tooth, Ø 45 mm	0008039500
S 50 KD - G 45 G	Dispersing element, Ø 45 mm	0010000629
S 50 KD - G 45 G - ST	Dispersing element, saw-tooth, Ø 45 mm	0010000632
S 50 KD - G 45 M	Dispersing element, Ø 45 mm	0010000630
S 50 KD - G 45 F	Dispersing element, Ø 45 mm	0010000631
R 50	Stirring shaft, high speed	0001689300
R 1405	Propeller, Ø 45 mm	0001289800
R 1402	Dissolver, Ø 42 mm	0001243300
S 50 N - W 65 SK	Dispersing element with cutting head, Ø 65 mm	0008005100
S 50 N - W 80 SMK	Jet mixer head, Ø 80 mm	0008006300

S 65 C - G 65 G

S 65 KD - G 65 M

D 80

Product	Description	Ident. No.
DISPERSING ELEMENTS FOR T 65 BASIC AND DIGITAL		
S 65 KG - HH - G 65 G	Dispersing element, Ø 65 mm	0008005500
S 65 KG - HH - G 65 M	Dispersing element, Ø 65 mm	0008005700
S 65 KG - HH - G 65 F	Dispersing element, Ø 65 mm	0008005900
S 65 C - G 65 G	Dispersing element, Ø 65 mm	0010001665
S 65 C - G 65 M	Dispersing element, Ø 65 mm	0010001666
S 65 C - G 65 F	Dispersing element, Ø 65 mm	0010001667
S 65 KD - G 65 G	Dispersing element, Ø 65 mm	0010000641
S 65 KD - G 65 M	Dispersing element, Ø 65 mm	0010000642
S 65 KD - G 65 F	Dispersing element, Ø 65 mm	0010000643
D 60	Dissolver, Ø 60 mm	0020008388
D 80	Dissolver, Ø 80 mm	0020008389

NOMENCLATURE DISPERSING ELEMENTS

Shaft			Outer diameter of stator	Saw-tooth
S 50	**KG - HH**	**- G**	**45**	**G - ST**
	Sealing and bearing	Generator or element	Degree of fineness achieved	

G = Coarse

M = Medium

F = Fine

G = Proved configuration

W = Special element

N = PTFE bearing

KV = Ball bearing with vacuum-tight sliding-ring seal with silicon carbide seal rings

KG – HH = Ball bearing with sliding-ring seals of hard metal allow with FFPM seals rings

C = Ceramic bearing

KD = Ball bearing with PTFE seal and FFKM O-ring

/// MILLS

IKA laboratory mills are ideal for grinding, pulverizing or chopping samples for routine analyses, either in batch or continuous operation. Grinding results are achieved up to 1 µm particle size or 0.25 mm defined ultimate fineness. Due to a broad spectrum of easily interchangeable beaters and cutters, IKA mills are highly effective for a variety of applications and can also be scaled up for larger volumes.

MULTIDRIVE BASIC AND CONTROL
/// The all-rounder in coarse and fine crushing

Regardless of whether samples are hard, soft, fibrous, wet or dry – the MultiDrive blender can perform a wide range of crushing tasks involving coarse and fine crushing, thanks to the variety of vessels* available. With the MultiDrive basic it is possible to mix or grind; MultiDrive control is also fitted with a dispersion vessel and an autoclavable tube. There is a USB interface available for easy actuation and documentation respectively.

MultiDrive control*

Ident. No. 0025007988

* Vessels don't belong to the scope of delivery.

HIGH PERFORMANCE

Excellent crushing performance is guaranteed by a combination of variable rotational speeds, ranging from 3000 rpm to 20 000 rpm, and a 1000 W output.

INTERVAL OPERATION

The option of interval programming is simple to activate at the press of a button. Interval operation is an asset during the coarse crushing of hard samples or for extra thorough blending.

INTEGRATED COOLING

A cooling system is integrated in the milling cup, which allows indirect heat dissipation. Thus, coolant and sample remain separate.

ADDITIONAL CONTROL FEATURES:

TEMPERATURE MEASUREMENT

MultiDrive control offers temperature measurement and vessel recognition using RFID. A temperature limit can be set for temperature-sensitive materials, or for specific planned reactions to protect against overheating.

WEIGHING FUNCTION

The weighing function is also integrated into the user-friendly workflow of the IKA MultiDrive control. Weighing is performed before crushing using the same mixing cup, so that no transfer of contents is required.

MultiDrive basic*

Ident. No. 0025007800

* Vessels don't belong to the scope of delivery.

**MultiDrive basic
M 20 Successor Package**

Ident. No. 0010005902

› MultiDrive basic base unit + MI 250, 250 ml milling chamber

TECHNICAL DATA	MULTIDRIVE CONTROL	MULTIDRIVE BASIC
Operating principle	Cutting / Impact / Blending / Dispersing	Cutting / Impact / Blending
Speed range	3000 – 20 000 rpm	3000 – 20 000 rpm
Useable volume max.	2000 ml	2000 ml
Feed hardness max.	9 Mohs*	9 Mohs*
Temperature measurement	Yes	–
Weighing function	Yes	–
Milling chamber can be cooled with water / dry ice	Yes / Yes	Yes / Yes
Dimensions (W × H × D)	300 × 450 × 250 mm	300 × 450 × 250 mm
Protection class according to DIN EN 60529	IP 31	IP 31

* with MI 250.3 or MI 400.3 beater, tungsten carbide

A 10 basic

Ident. No. 0025001027

A 11 basic

Ident. No. 0002900000

M 20

Ident. No. 0001603600

For dry grinding of hard and brittle substances

MF 10 basic

Ident. No. 0002836000

Two different grinding heads can be attached to the drive, **see Page 75**

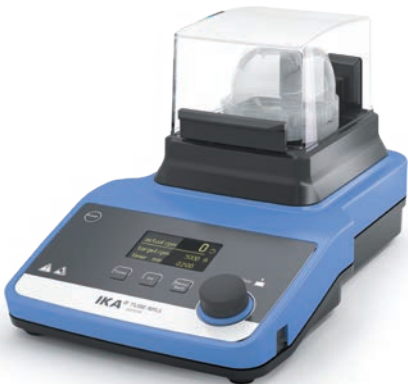| TECHNICAL DATA	A 10 BASIC	A 11 BASIC	M 20	MF 10 BASIC
Process type	Batch	Batch	Batch	Inline
Operating principle	Cutting / Impact	Cutting / Impact	Cutting / Impact	Cutting / Impact
Speed max.	25 000 rpm	28 000 rpm	20 000 rpm	3000 – 6500 rpm
Useable volume max.	50 ml	80 ml	250 ml	–
Feed hardness	5 Mohs	6 Mohs	5 Mohs	6 Mohs (MF 10.2)
Milling chamber, can be cooled with water / dry ice / liquid nitrogen	Yes / Yes / No	No / Yes / Yes	Yes / Yes / No	No / Yes / No
Dimensions (W × H × D)	130 × 250 × 145 mm	85 × 240 × 85 mm	170 × 350 × 170 mm	320 × 380 × 300 mm
Protection class according to DIN EN 60529	IP 41	IP 43	IP 21	IP 22

Designed for grinding chambers with max. 100 ml

Tube Mill 100 control

Ident. No. 0020014733

Tube Mill control

Ident. No. 0004180000

reddot design award winner 2013

German Design Award NOMINEE 2015

TECHNICAL DATA	TUBE MILL CONTROL	TUBE MILL 100 CONTROL
Process type	Batch	Batch
Operating principle	Cutting / Impact	Cutting / Impact
Speed max.	25 000 rpm	25 000 rpm
Circumferential speed max.	65 m/s	65 m/s
Useable volume max.	40 ml	100 ml
Feed hardness max.	5 Mohs	5 Mohs
Milling chamber, can be cooled with water / dry ice / liquid nitrogen	No / Yes / No	No / Yes / No
Dimensions (W × H × D)	180 × 170 × 300 mm	180 × 212 × 300 mm
Protection class according to DIN EN 60529	IP 30	IP 30

MILLS | Accessories

Product	Description	Ident. No.
ACCESSORIES BASIC AND CONTROL		
BL 2000	Blender vessel, 2000 ml	0025003961
BL 2000 T	Blender vessel, 2000 ml, Temperature measurement	0025003962
MI 250	Milling chamber, 250 ml	0025003967
MI 400	Milling chamber, 400 ml	0025003965
MI 250 T	Milling chamber, 250 ml, Temperature measurement	0025003968
MI 400 T	Milling chamber, 400 ml, Temperature measurement	0025003966
DI 2000 T	Dispersing vessel, 2000 ml, Temperature measurement	0025003960
BL 2000.1	Standard blend knife, stainless steel	0020023169
MI 250.1	Standard beater, stainless steel	0020023166
MI 250.2	Star-shaped cutter, stainless steel	0020023167
MI 250.3	Beater, tungsten carbide	0020023168
MI 400.1	Standard beater, stainless steel	0020023170
MI 400.2	Star-shaped cutter, stainless steel	0020023171
MI 400.3	Beater, tungsten carbide	0020023172
TC 1	Protective housing for MT 150 and BT 250	0020023489
MT 150.5*	Milling tube, autoclavable, 150 ml, 5 pcs. (incl. TS 1)	0020023173
BT 250.5*	Blending tube, autoclavable, 250 ml, 5 pcs. (incl. TS 1)	0020023174
TS 1	Spare seal with reactivation code, 5 pcs.	0020023490

* TC 1 protective housing is mandatory to operate the tube

Product	Description	Ident. No.
ACCESSORIES TUBE MILL CONTROL		
MT 40.10	Disposable grinding chamber, 40 ml, 10 pcs.	0004425000
MT 40.100	Disposable grinding chamber, 40 ml, 100 pcs.	0020001173
MTC 40/100.100	Cover for disposable grinding chamber, 100 pcs.	0020001182
MT 40.10 steril	Disposable grinding chamber, sterile, 40 ml, 10 pcs.	0020001984
MT 40 P.10	Disposable grinding chamber, bended beater, 40 ml, 10 pcs.	0020017838
MT 40 P.100	Disposable grinding chamber, bended beater, 40 ml, 100 pcs.	0020011531
MT 100.10	Disposable grinding chamber, 100 ml, 10 pcs.	0020008386
MT 100.10 steril	Disposable grinding chamber, sterile, 100 ml, 10 pcs.	0020012571
MT 100.50	Disposable grinding chamber, 100 ml, 50 pcs.	0020006984
MMT 40.1	Multi-use milling tube, 40 ml	0020003165
MMT 100.1	Multi-use milling tube, 100 ml	0020016315
MTT 40.10	Disposable grinding chamber, titanium beater, 40 ml, 10 pcs.	0020015380
MTT 100.10	Disposable grinding chamber, titanium beater, 100 ml, 10 pcs.	0020019576
A-MMT.100	Abrasion set for MMT 40.1 | MMT 100.1, 100 sealing, 5 beaters, 5 couplings	0020003378

BL 2000

MI 250

TC 1

MMT 40

MTT 40

MMT 100

A 10.1

A 10.3

A 11.2

A 11.6

M 23

MF 10.2

| Product	Description	Ident. No.
ACCESSORIES A 10 BASIC		
A 10.1	Stainless steel cutter	0025001680
A 10.2	Star-shaped cutter	0025001162
A 10.3	Hard metal cutter	0025001161
A 10.4	Grinding chamber reduction	0025001664
ACCESSORIES A 11 BASIC		
A 11.1	Spare beater, stainless steel	0002904600
A 11.2	Cutting blade, stainless steel	0002905200
A 11.3	Beater, stainless steel, coated with chromium carbide	0002983000
A 11.4	Grinding chamber, polycarbonate, 250 ml	0002904100
A 11.5	Spare grinding chamber, Tefcel, 80 ml	0002983100
A 11.6	Double beater, titanium	0003302900
A 11.7	Funnel, PTFE	0003048700
ACCESSORIES M 20		
M 21	Spare cutter, stn. steel	0000328200
M 22	Hard metal cutter, tungsten carbide	0000521800
M 23	Star-shaped cutter, stn. steel	0001443400
M 20.1	Grinding chamber, 250 ml	0008006200
ACCESSORIES MF 10 BASIC		
MF 10.1	Cutting-grinding head	0002870900
MF 10.2	Impact-grinding head	0002871000
SIEVES		
MF 0.25	Sieve, Ø 0.25 mm	0002938900
MF 0.5	Sieve, Ø 0.5 mm	0002939000
MF 1.0	Sieve, Ø 1 mm	0002939200
MF 2.0	Sieve, Ø 2 mm	0002939400
MF 3.0	Sieve, Ø 3 mm	0002939500
MF 4.0	Sieve, Ø 4 mm	0002939600

MF 0.25   MF 1.0   MF 2.0   MF 4.0
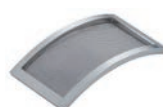
Display viscosity changes through sensitive torque measuring sensor: the new STARVISC measuring stirrers make it possible. The device covers a broad range of applications and is particularly helpful during product development: STARVISC already clearly indicates while running research pro-grammes as to whether the stirred substance can be used as desired.

STARVISC 200-2.5 CONTROL
/// The only device that can do everything at the same time

HIGH-PRECISION MEASUREMENT
During the mixing process a highly sensitive torque measuring sensor allows further conclu-sions on viscosity changes, directly in the product. This eliminates the regular sampling, rather time consuming offline measurement process.

VISCOSITY CALCULATION
The viscosity can be correlated from the torque readings based on a well defined set-up under reproducible conditions.
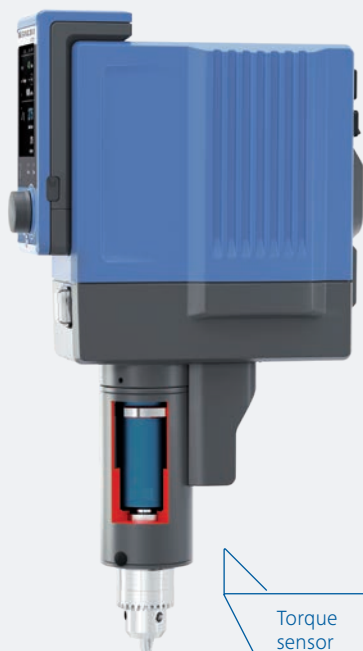
REMOVABLE CONTROL UNIT
The modern TFT display is removable. This means that STARVISC can also be controlled from a safe distance.

POWERFUL STIRRER
Even highly viscous substances can be intensively stirred using the powerful STARVISC stirrer. Quantities of up to 100 liters can be processed.

STARVISC 200-2.5 control

Ident. No. 0025003604

Torque sensor

Name	Description	Ident. No.

ACCESSORIES STARVISC 200-2.5 CONTROL

STIRRING ELEMENTS

R 1302	Dissolver stirrer, Ø 100 mm	0002387900
R 1330	Anchor stirrer, Ø 45 mm	0002022300
R 1331	Anchor stirrer, Ø 90 mm	0002022400
R 1345	Propeller stirrer, 4-bladed, Ø 100 mm	0000741300
R 1375	Paddle stirrer, Ø 70 mm	0000757700

BOSS HEAD CLAMPS

R 270	Boss head clamp, clamping range Ø 25 – 36 mm	0002657800
R 271	Boss head clamp, clamping range Ø 34 mm	0002664000

STANDS

R 2722	H-stand, 1010 mm	0001412000
R 2723	Telescopic stand, H 620 – 1010 mm	0001412100

SOFTWARE

labworldsoft® 6 Starter	For configurations up to 3 devices	0020019397
labworldsoft® 6 Pro	For all configurations – any no. of devices can be controlled at the same time	0020017366

TECHNICAL DATA	STARVISC 200-2.5 CONTROL
Stirring quantity max. (H_2O)	100 l
Torque max. at stirring shaft	200 Ncm
Torque I max.	200 Ncm
Torque II max.	40 Ncm
Speed range I (high torque)	0 | 6 – 400 rpm
Speed range II (high speed)	0 | 30 – 2000 rpm
Display	TFT
Viscosity max.	100 000 mPas
Dimensions (W × H × D)	91 × 395 × 231 mm
Protection class according to DIN EN 60529	IP 40

R 1302

R 1330

R 1331

R 1345

R 1375

"Flow" is the term used to describe the wonderful mental state in which everything moves along by itself. And with the IKA viscometers, you can have the perfect flow in your laboratory. The new ROTAVISC range determines the viscosity of liquids in all applications, from the laboratory to quality control. The four devices each take measurements in different viscosity ranges. Smooth, fast and precise. The measuring process is intuitive and standardized, as well as working with the familiar IKA menu structure for laboratory devices.

ROTAVISC HELI COMPLETE
/// Viscosity measurement in motion

The viscometers in the ROTAVISC range can now be used with the motorized HELISTAND. It moves the mounted viscometer and its rotating body slowly and uniformly up and down in the sample. This way, the flow properties of highly viscous samples, such as creams, pastes, paints or gelatins can be measured reliably.

FOR HIGHLY VISCOUS SAMPLES
The ROTAVISC HELI Complete package includes both a viscometer and stand, and is ideal for highly viscous samples. A static viscometer would run empty here. Highly viscous samples would simply be forced to the edge by the rotational movements. The HELISTAND prevents this and provides meaningful viscosity measurements by slowly moving the incorporated T-spindles up and down.

BALANCING ON 3 LEGS
The HELISTAND has three legs. This design has a positive effect on the balancing of the rotating body in the sample bowl and provides an even more reliable measurement of the viscosity of viscous samples.

USER-FRIENDLINESS
Using, installing and cleaning the HELISTAND couldn't be easier. The ROTAVISC viscometer is simply placed onto the stand's drive motor and the T-shaped needle spindle is attached to the viscometer.
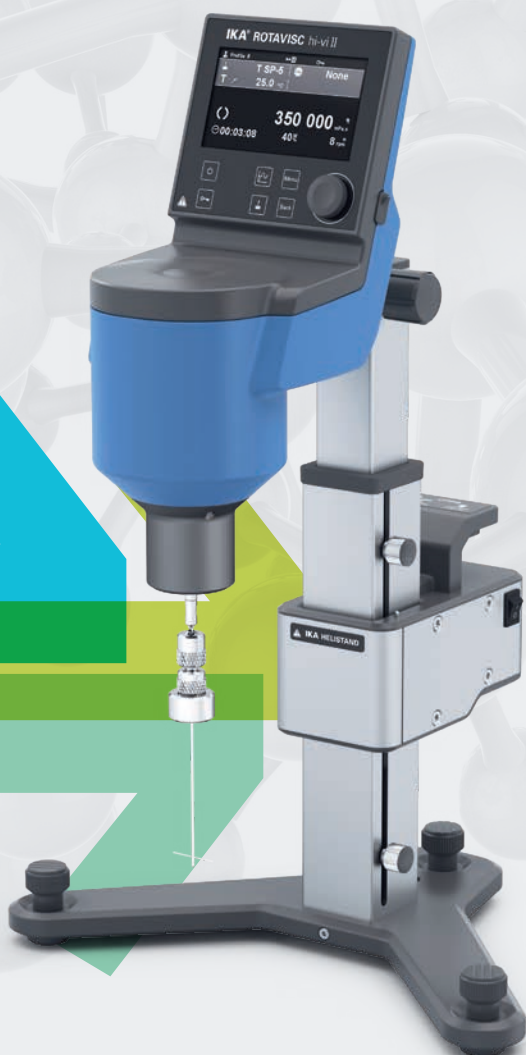
① **ROTAVISC lo-vi Complete**

Ident. No. 0025000310

② **ROTAVISC me-vi Complete**

Ident. No. 0025000311

③ **ROTAVISC hi-vi I Complete**

Ident. No. 0025000312

④ **ROTAVISC hi-vi II Complete**

Ident. No. 0025000313

① NEW: 10 years warranty*

* After device registration on www.ika.com/register

TECHNICAL DATA	ROTAVISC
Viscosity accuracy	± 1 % FSR
Viscosity repeatability	0.2 % FSR
Display	TFT
Working temperature	Min.: -100 °C Max.: +300 °C
Speed	0.01 – 200 rpm
Speed setting accuracy	in range 0.01 – 1: 0,01 rpm in range 1 – 200: 0.1 rpm
Temperature measurement resolution	0.1 K
Connection for ext. temperature sensor	PT 100
Interfaces	USB, RS 232,
Dimensions (W × H × D)	351 × 629 × 372 mm
Weight	7.1 kg
Protection class according to DIN EN 60529	IP 40

MEASURING RANGES

ROTAVISC lo-vi

Viscosity measuring range*	1 – 6 000 000 mPas

ROTAVISC me-vi

Viscosity measuring range	100 – 40 000 000 mPas

ROTAVISC hi-vi I

Viscosity measuring range	200 – 80 000 000 mPas

ROTAVISC hi-vi II

Viscosity measuring range	800 – 320 000 000 mPas

* 1 mPas with ELVAS-1

① **ROTAVISC lo-vi Complete**
+ labworldsoft® 6 Visc

Ident. No. 0025000310 + 0020101872

② **ROTAVISC me-vi Complete**
+ labworldsoft® 6 Visc

Ident. No. 0025000311 + 0020101872

③ **ROTAVISC hi-vi I Complete**
+ labworldsoft® 6 Visc

Ident. No. 0025000312 + 0020101872

④ **ROTAVISC hi-vi II Complete**
+ labworldsoft® 6 Visc

Ident. No. 0025000313 + 0020101872

②

IKA Laboratory Software
labworldsoft® 6 Visc

LABORATORY SOFTWARE
labworldsoft® 6 Visc

Ident. No. 0020101872

① **ROTAVISC lo-vi HELI Complete**

Ident. No. 0020100361

② **ROTAVISC me-vi HELI Complete**

Ident. No. 0020100362

③ **ROTAVISC hi-vi I HELI Complete**

Ident. No. 0020100363

④ **ROTAVISC hi-vi II HELI Complete**

Ident. No. 0020100364

ROTASTAND

Product	Description	Ident. No.
STANDS		
ROTASTAND	Stand for ROTAVISC	0020006787
HELISTAND	Electrical stand for ROTAVISC	0020100262
HELISTAND Set	Electrical stand incl. T-spindle set	0020100271
SOFTWARE		
labworldsoft® 6 Visc	Laboratory software	0020101872

HELISTAND
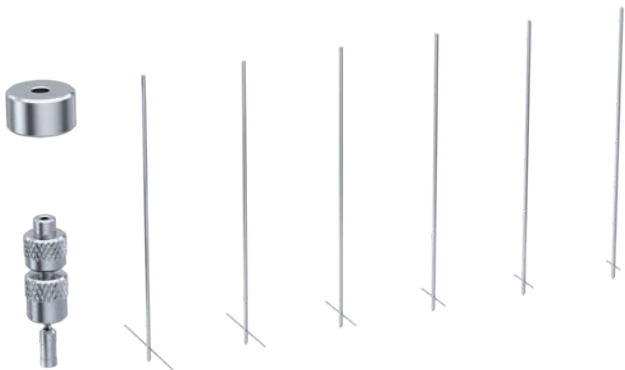
HELISTAND Set

Adapter: DINS-1

Adapter: O DIN S-1

Adapter: VOLS-1

Product	Description	Ident. No.
ADAPTERS		
DINS-1	DIN adapter set	0025000387
O DIN S-1	Open DIN adapter set	0025000326
SAS-1	Spiral adapter set	0025000377
ELVAS-1	Extremly low viscosity adapter set	0025000390
VOLS-1	Low volume adapter set	0025000352
T-SP-Set	T-spindle set	0025007765
ACCESSORIES VISCOMETERS		
DWB 600	Double-walled beaker 600 ml	0020024575
BH 600	Clamp for 600 ml beaker	0025000400
Hook Connector	Hook connector for spindles	0025000338
Quick Connector	Quick connector for spindles	0025000339
PT 100.8	Temp. sensor, stn. steel, Ø 3 mm, 75 mm	0025000413
SPINDLE SET		
SP set-1	Standard spindle set (SP1 - SP4)	0025000319
SP set-2	Standard spindle set (SP7 - SP12)	0025000329
VAN-1	Vane spindle set	0025000407

Hook Connector

Quick Connector

Spindle set: VAN-1

SP-5

SP-6

VOL-SP-7.1

VOL-SP-11

VOL-SP-9

VOL-SP-2.1

VOL-C-RTD-3.8

Product	Description	Ident. No.
SPINDLES SINGLE		
SP-1	Standard spindle	0025006828
SP-2	Standard spindle	0025006829
SP-3	Standard spindle	0025006830
SP-4	Standard spindle	0025006831
SP-5	Standard spindle	0025006832
SP-6	Standard spindle	0025006833
SP-7	Standard spindle	0025006834
SP-8	Standard spindle	0025006835
SP-9	Standard spindle	0025006836
SP-10	Standard spindle	0025006837
SP-11	Standard spindle	0025006838
SP-12	Standard spindle	0025006839
VAN-SP-1	Vane spindle	0025006853
VAN-SP-2	Vane spindle	0025006854
VAN-SP-3	Vane spindle	0025006855
VAN-SP-4	Vane spindle	0025006856
VAN-SP-5	Vane spindle	0025008376
VOL-SP-7.1	Spindle for VOLS-1, 7.1 ml	0025006849
VOL-SP-16.1	Spindle for VOLS-1, 16.1 ml	0025006848
VOL-SP-10.4	Spindle for VOLS-1, 10.4 ml	0025006850
VOL-SP-11	Spindle for VOLS-1, 11 ml	0025006851
VOL-SP-13.5	Spindle for VOLS-1, 13.5 ml	0025006852
VOL-SP-9	Spindle for VOLS-1, 9 ml	0025006846
VOL-SP-9.4	Spindle for VOLS-1, 9.4 ml	0025006847
VOL-SP-2.1	Spindle for 2.1 ml chamber	0025007061
VOL-C-RTD-2.1	2.1 ml chamber for VOLS-1	0025007064
VOL-SP-3.8	Spindle for 3.8 ml chamber	0025007062
VOL-C-RTD-3.8	3.8 ml chamber for VOLS-1	0025007065
VOL-SP-4.2	Spindle for 4.2 ml chamber	0025007063
VOL-C-RTD-4.2	4.2 ml chamber for VOLS-1	0025007066
ELVAS-C-C	Closed chamber for ELVAS-1	0025008373

CAL-O-5

CAL-O-100000

Product	Description	Ident. No.
STANDARD SILICONE OILS		
CAL-O-5	Standard silicone oil, 5 mPas, 25 °C, 500 ml	0025000397
CAL-O-10	Standard silicone oil, 10 mPas, 25 °C, 500 ml	0025000398
CAL-O-50	Standard silicone oil, 50 mPas, 25 °C, 500 ml	0025000399
CAL-O-100	Standard silicone oil, 100 mPas, 25 °C, 500 ml	0025000434
CAL-O-500	Standard silicone oil, 500 mPas, 25 °C, 500 ml	0025000435
CAL-O-1000	Standard silicone oil, 1000 mPas, 25 °C, 500 ml	0025000436
CAL-O-5000	Standard silicone oil, 5000 mPas, 25 °C, 500 ml	0025000437
CAL-O-12500	Standard silicone oil, 12 500 mPas, 25 °C, 500 ml	0025000466
CAL-O-30000	Standard silicone oil, 30 000 mPas, 25 °C, 500 ml	0025000467
CAL-O-60000	Standard silicone oil, 60 000 mPas, 25 °C, 500 ml	0025000468
CAL-O-100000	Standard silicone oil, 100 000 mPas, 25 °C, 500 ml	0025000469

IKA's small but excellent product group of vacuum pumps is perfectly suitable for many dry and oil-free applications in the laboratory. The devices stand out due to their high suction capacity and ease of service. Their membranes are particularly chemical resistant, as well. The diaphragm vacuum pumps are suitable for many vacuum tasks in the lab such as separation, filtration or de-gassing. They are even suitable to construct a laboratory vacuum system in which you can switch any number of vacuum controllers in series according to the application. In addition, they perfectly complement IKA´s rotary evaporators or laboratory reactors.

VACSTAR DIGITAL AND CONTROL
/// Fully automatic vacuum with an emission condenser

Separation, filtration, removal: The VACSTAR dry 4-chamber membrane vacuum pump is powerful, resistant to chemicals and low-maintenance.

HIGH-PERFORMANCE SUCTION
VACSTAR has an excellent suction performance, with its 22 l/min at a minimum of 2 mbar.

INTEGRATED VACUUM CONTROLLER
with removable wireless controller (WiCO)

PROTECTS USER AND ENVIRONMENT
The VACSTAR control includes a downstream vacuum safety emission condenser (VSE1). This reliably protects laboratory employees and the environment from harmful exhaust air.

VACSTAR digital

Ident. No. 0020016432

VACSTAR control*

Ident. No. 0020019075

Automatic cleaning function for increased service life

*VSE 1 is included in delivery

TECHNICAL DATA	VACSTAR DIGITAL | VACSTAR CONTROL
Pump rate max.	1.32 m³/ h
Max. pumping capacity	22 l / min
Boiling point detection	No | Yes
Solvent library	No | Yes
Speed range	285 – 1200 rpm
Vacuum sensor	No | Yes
Two-point control	Yes | No
Min. input pressure	2 mbar
Max. input pressure	1030 mbar
Dimensions (W x H x D)	150 × 375 × 370 mm 270 × 435 × 500 mm
Protection class acc. to DIN EN 60529	IP 20
RS 232 / USB interface	Yes

Product	Ident. No.
ACCESSORIES VACSTAR DIGITAL AND CONTROL	
VSW 1 vacuum safety woulff bottle	0020015406
VSE 1 vacuum safety emission	0035001873
VH.SI.8 vacuum hose, silicone, Ø 8 mm, 1 m	0020013886

VSW 1

VSE 1

MVP 10 basic

Ident. No. 0003980000

Product	Ident. No.
ACCESSORIES MVP 10 BASIC	
VCV 1 vacuum control valve manual	0020004850
VCV 2 vacuum control valve digital	0020004893
VSS 1 vacuum safety set	0020005194
VH.SI.8 vacuum hose, silicone, Ø 8 mm, 1 m	0020013886

VCV 2   VSS 1

TECHNICAL DATA	MVP 10 BASIC
Max. pumping capacity	28.3 l / min
Max. pump rate	1.7 m³/ h
Speed range	1380 – 1680 rpm
Vacuum sensor	No
Min. input pressure	7 mbar
Max. input pressure	1050 mbar
Dimensions (W × H × D)	245 × 155 × 320 mm
Protection class acc. to DIN EN 60529	IP 54
Voltage	230 / 115 / 100 V

Product	Ident. No.
ACCESSORIES VACUUM CONTROLLER	
VC 10.300 check valve	0020011105
VC 10.400 table holder	0035001735

VC 10.300

VC 10.400

VC 10

Ident. No. 0020005132

Universal vacuum controller for a two-point calibration of multiple vacuum sources. It comes with a chemical resistant ceramic pressure sensor.

TECHNICAL DATA	VC 10
Vacuum sensor	Yes
Min. input pressure	1 mbar
Max. input pressure	1050 mbar
Boiling point detection	Yes
Solvent library	Yes
Two-point control	Yes
Manual operation	Yes
Programmable	Yes
Dimensions (W × H × D)	95 × 150 × 110 mm
Protection class acc. to DIN EN 60529	IP 20
RS 232 / USB interface	Yes
Voltage	100 – 240 V

Regardless of what leaves laboratory staff hot or cold, precise and constant temperature regulation is a basic prerequisite for successful applications in day-to-day laboratory practice. IKA strives to make your work with circulation and immersion thermostats or bridge and heating bath thermostats as pleasant and successful as possible. Our broad range of DIN 12876-compliant devices is designed for temperatures from -30 to 250 °C and meets the highest requirements of precision, safety, output and intelligence.

RECIRCULATING CHILLER RC 2 GREEN
/// Plant 163 trees or choose the RC 2 GREEN

Brilliant energy-efficiency, CO_2 savings from the very first hour of operation and a reduction in operating costs: The new RC 2 GREEN recirculating chiller combines a natural coolant with tried and tested demand-controlled compressor technology.

ENVIRONMENTALLY-FRIENDLY COOLANT
The coolant R 290 is classed as a pure hydrocarbon. It is friendly to the ozone layer and has only a slight greenhouse potential. In addition, it has excellent thermodynamic properties and promises a long service life for the recirculating chiller, even under future utilization requirements.

LOWER OPERATING COSTS
In combination with the demand-controlled compressor in the RC 2 GREEN, the environmentally-friendly refrigerant achieves a cooling capacity of 800 watts and a minimum temperature of -30 °C. Not only is this good for the environment, but, extrapolated over ten years, the costs also decrease by 150 to 250 Euros per year of operation. In addition, the RC 2 GREEN saves 30% in installation space and half of the device volume compared with equivalent competitor devices.

FULL POWER
Furthermore, the RC 2 GREEN offers everything one would expect to see in a reliable recirculating chiller: a powerful pressure and suction pump, a high-quality fine-mesh stainless steel filter and, of course, the typical IKA modern and user-friendly design, incorporating intuitive menu navigation. The display on the control variant can be removed. This permits straightforward remote operation, freeing up space immediately around the working environment for additional essential laboratory equipment.

ICC basic

Ident. No. 0004134400

ICC control

Ident. No. 0004136600

IC basic

Ident. No. 0003861000

IC control

Ident. No. 0003863000***

TECHNICAL DATA	ICC BASIC	ICC CONTROL	IC BASIC	IC CONTROL
Appliance type	Compact immersion circulator	Compact immersion circulator	Immersion circulator	Immersion circulator
Heat output (230 / 115 V)	2000 / 1000 W	2000 / 1000 W	2500 / 1250 W	2500 / 1250 W
Temperature range	RT +10 °C* – 150 °C	RT +10 °C* – 150 °C	RT +10 °C – 250 °C**	RT +10 °C – 250 °C**
Display	LED	TFT	LED	TFT (wireless)
Temperature stability DIN 12876	± 0.02 K	± 0.01 K	± 0.02 K	± 0.01 K
Max. flow rate	18 l/min	18 l/min	31 l/min	31 l/min
Max. pump pressure	0.3 bar	0.3 bar	0.61 bar	0.61 bar
Min. suction pressure	0.2 bar	0.2 bar	0.45 bar	0.45 bar
Dimensions (W × H × D)	145 × 340 × 200 mm	145 × 340 × 200 mm	285 × 313 × 291 mm	285 × 313 × 291 mm

* Possible operating temperatures with cooling coil: -20 °C to 150 °C
** Possible operating temperatures with cooling coil: -20 °C to 250 °C
*** CC 1 cooling coil included in delivery

TEMPERATURE CONTROL | Immersion Circulator Packages

ICC basic eco 8

ICC control pro 12

Product	Description	Bath size	Bath opening (W × D)***	Ident. No.
HEATING BATH CIRCULATORS				
ICC basic eco* 8	Package ICC basic, 8 l eco bath	S	188 × 105 mm	0008034900
ICC basic pro** 9	Package ICC basic, 9 l pro bath	S	195 × 100 mm	0008035100
ICC basic pro 12	Package ICC basic, 12 l pro bath	M	255 × 127 mm	0010000414
ICC basic eco 18	Package ICC basic, 18 l eco bath	L	245 × 305 mm	0008035000
ICC basic pro 20	Package ICC basic, 20 l pro bath	L	255 × 309 mm	0008035200
ICC control eco 8	Package ICC control, 8 l eco bath	S	188 × 105 mm	0008035300
ICC control pro 9	Package ICC control, 9 l pro bath	S	195 × 100 mm	0008035500
ICC control pro 12	Package ICC control, 12 l pro bath	M	255 × 127 mm	0010000415
ICC control eco 18	Package ICC control, 18 l eco bath	L	245 × 305 mm	0008035400
ICC control pro 20	Package ICC control, 20 l pro bath	L	255 × 309 mm	0008035600
COMBINED HEATING BATH CIRCULATORS				
ICC basic eco 8 c	Package ICC basic, 8 l eco bath, cover	S	188 × 105 mm	0008035700
ICC basic pro 9 c	Package ICC basic, 9 l pro bath, cover	S	195 × 100 mm	0008035900
ICC basic pro 12 c	Package ICC basic, 12 l pro bath, cover	M	255 × 127 mm	0010000416
ICC basic eco 18 c	Package ICC basic, 18 l eco bath, cover	L	245 × 305 mm	0008035800
ICC basic pro 20 c	Package ICC basic, 20 l pro bath, cover	L	255 × 309 mm	0008036000
ICC control eco 8 c	Package ICC control, 8 l eco bath, cover	S	188 × 105 mm	0008036100
ICC control pro 9 c	Package ICC control, 9 l pro bath, cover	S	195 × 100 mm	0008036300
ICC control eco 18 c	Package ICC control, 18 l eco bath, cover	L	245 × 305 mm	0008036200
ICC control pro 12 c	Package ICC control, 12 l pro bath, cover	M	255 × 127 mm	0010000417
ICC control pro 20 c	Package ICC control, 20 l pro bath, cover	L	255 × 309 mm	0008036400
PACKAGES WITH MAGNETIC STIRRER				
ICC basic IB R RO 15 eco	Package ICC basic with magnetic stirrer RO 15 and bath	L	317 × 492 mm	0010002471
ICC control IB R RO 15 eco	Package ICC control with magnetic stirrer RO 15 and bath	L	317 × 492 mm	0010002474
ICC basic IB R RO 15 pro	Package ICC basic with magnetic stirrer RO 15 and bath	L	317 × 492 mm	0010006740
ICC control IB R RO 15 pro	Package ICC control with magnetic stirrer RO 15 and bath	L	317 × 492 mm	0010006736

* eco: plastic bath

** pro: stainless steel bath

*** Size of plate that can be placed at the bottom of the bath

ICC control pro 20 c

BESTSELLER

ICC basic IB R RO 15 eco
(Circulating bath with 15 stirring positions
for glass beakers up to 250 ml)

IC control pro 20 c

NEW! Now available in
stainless steel for appli-
cations up to 130 °C

ICC control IB R RO 15 pro

Product	Description	Bath size	Bath opening (W × D)***	Ident. No.
IMMERSION CIRCULATOR PACKAGES				
IC basic pro 12 c	Package IC basic, 12 l pro bath, cover	M	255 × 80 mm	0008039900
IC basic pro 20 c	Package IC basic, 20 l pro bath, cover	L	255 × 262 mm	0008036800
IC control pro 12 c	Package IC control, 20 l pro bath, cover	M	255 × 80 mm	0008040000
IC control pro 20 c	Package IC control, 12 l pro bath, cover	L	255 × 262 mm	0008037200

*** Size of plate that can be placed at the bottom of the bath

TEMPERATURE CONTROL | Circulators

/// Heating Bath Circulators

(1) **HBC 5 basic**
Ident. No. 0004125000

(2) **HBC 5 control**
Ident. No. 0004127000

(1) **HBC 10 basic**
Ident. No. 0004135000

(2) **HBC 10 control**
Ident. No. 0004137000

/// Refrigerated and Heating Bath Circulators

(1) **CBC 5 basic**
Ident. No. 0020015225

(2) **CBC 5 control**
Ident. No. 0020015224

(1) **HRC 2 basic**
Ident. No. 0025003742

(2) **HRC 2 control**
Ident. No. 0025004524

TECHNICAL DATA	HBC 5 BASIC | CONTROL	HBC 10 BASIC | CONTROL	CBC 5 BASIC | CONTROL	HRC 2 BASIC | CONTROL
Appliance type	Heated bath circulator	Heated bath circulator	Refrigerated and heating bath circulator	Refrigerated and heating bath circulator
Heater capacity (230 / 115 V)	2500 / 1250 W	2500 / 1250 W	2500 / 1250 W	1500 / 1200 W
Temperature range	RT + 10 °C* – 250 °C	RT + 10 °C* – 250 °C	-25 °C – 200 °C	-20 °C – 100 °C | -30 °C** – 100 °C
Cooling capacity at 20 °C	–	–	350 W	400 W
Display	LED | TFT (wireless)	LED | TFT (wireless)	LED | TFT (wireless)	LED | TFT (wireless)
Temperature stability DIN 12876	± 0.02 K | ± 0.01 K	± 0.02 K | ± 0.01 K	± 0.02 K | ± 0.01 K	± 0.1 K | ± 0.05 K
Max. flow rate	31 l/min	31 l/min	31 l/min	21 l/min
Max. pump pressure	0.61 bar	0.61 bar	0.61 bar	0.5 bar
Min. suction pressure	0.45 bar	0.45 bar	0.45 bar	0.25 bar
Dimensions (W × H × D)	275 × 406 × 500 mm	275 × 456 × 500 mm | 275 × 456 × 506 mm	275 × 690 × 490 mm	220 × 475 × 525 mm

* Possible operating temperatures with cooling coil: -20 °C to 250 °C

** -30 °C possible at 2000 rpm

BESTSELLER

NEW!

① **RC 2 basic**

Ident. No. 0020015693

② **RC 2 control**

Ident. No. 0020015694

① **RC 2 GREEN basic**

Ident. No. 0025007421

② **RC 2 GREEN control**

Ident. No. 0025007422

ECO
energy-efficient
technology

RC 5 basic

Ident. No. 0020019125

RC 5 control

Ident. No. 0020019126

TECHNICAL DATA	RC 2 BASIC	CONTROL	RC 2 GREEN BASIC	CONTROL	RC 5 BASIC	CONTROL
Appliance type	Recirculating chiller	Recirculating chiller	Recirculating chiller
Cooling capacity at 20 °C	400 W	800 W	1400 W
Temperature range	-20 °C – RT | -30 °C – RT	-30 °C – RT	-30 °C – RT
Display	LED | TFT (wireless)	LED | TFT (wireless)	LED | TFT (wireless)
Temperature stability DIN 12876	± 0.1 K | ± 0.05 K	± 0.15 K	± 0.2 K | ± 0.1 K
Max. flow rate	18 l/min	21 l/min	31 l/min
Max. pump pressure	0.3 bar	0.5 bar	0.61 bar
Min. suction pressure	0.2 bar	0.25 bar	0.45 bar
Dimensions (W × H × D)	220 × 475 × 525 mm	220 × 475 × 525 mm	310 × 546 × 490 mm

TEMPERATURE CONTROL | Accessories

CS.ICC

CL.ICC

BS.ICC

PCS.ICC

BS.IC

CC1

IB R 9 eco

IB 18 eco

IB 9 pro

IB 20 pro

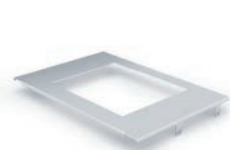| Product	Description	Ident. No.
ACCESSORIES FOR ICC		
CS.ICC	Cover, small for ICC, 8 / 9 l bath vessels	0004471500
CM.ICC	Cover, medium for ICC, 12 l bath vessels	0025000290
CL.ICC	Cover, big for ICC, 18 / 20 l bath vessels	0004471600
CLG.ICC	Gable lid for ICC, bath size L	0020023680
CLR.ICC	Cover with 6 ring openings for ICC, 18/20 l bath vessels	0025006276
BS.ICC	Bridge, small for ICC, 8 / 9 l bath vessels	0020003077
BL.ICC	Bridge, big for ICC, 18 / 20 l bath vessels	0020003078
CC2	Cooling coil for ICC	0025001061
PCS.ICC	Pump connection set for ICC	0004471900
ACCESSORIES FOR IC		
CM.IC	Cover, medium for IC, 12 l bath vessels	0004577600
CL.IC	Cover, big for IC, 18 / 20 l bath vessels	0004471800
BS.IC	Bridge, small for IC, 12 / 18 / 20 l bath vessels	0004472800
CC1	Cooling coil for IC basic / control	0020005116
BATH VESSELS		
Bath size S		
IB 8 eco	Bath vessel, plastic, 8 l	0004248100
IB R 9 eco	Bath vessel, plastic, 9 l, rectangular	0020004382
IB 9 pro	Bath vessel, stainless steel, 9 l	0004248500
Bath size M		
IB 12 pro	Bath vessel, stainless steel, 12 l	0004577500
Bath size L		
IB 18 eco	Bath vessel, plastic, 18 l	0004248200
IB HF 24 eco	Bath vessel, plastic, 24 l	0020006884
IB R 20 eco	Bath vessel, 20 l, plastic, rectangular	0020004383
IB R 52 eco	Bath vessel, 52 l, plastic, rectangular	0020007044
IB R RO 15 eco	Bath vessel for magn. stirrer RO 15	0020006341
IB R RO 15 pro	Bath vessel for magn. stirrer RO 15	0025007761
IB 20 pro	Bath vessel, stainless steel, 20 l	0004248600

HF.Si.20.200.50

LT 5.20

H.SI.8

Product	Description	Ident. No.
THERMOFLUIDS		
HF.Si.20.250.50A	Heating fluid Si250A; 10 kg	0020003521
HF.Si.20.200.50	Heating fluid Si200; 10 kg	0020003520
UF.Si.N30.150.10LV	Universal fluid Si150 LV; 9 kg	0020003518
HOSES		
LT 5.20	High temperature hose kit insulated, 2 × 1.5 m, stainless steel	0002606700
LT 5.21	High temperature hose kit insulated, 2 × 1.5 m, PTFE	0020000988
H.PVC.8	Hose, PVC, Ø 8 mm, 2 × 1.5 m	0004568800
H.PVC.12	Hose, PVC, Ø 12 mm, 2 × 1.5 m	0004568900
H.SI.6	Hose, silicone, Ø 6 mm, 3 m	0020102324
H.SI.8	Hose, silicone, Ø 8 mm, 2 × 1.5 m	0004569000
H.SI.12	Hose, silicone, Ø 12 mm, 2 × 1.5 m	0004569100
H.PUR.8.R	Tube PUR 90 °C, Ø 8, 2 × 1.5 m, reinforced	0020004612
H.PUR.12	Tube PUR 90 °C, Ø 12, 2 × 1.5 m	0020004613
H.FKM.8	Tube FKM, Ø 8 mm, -30 – 180 °C, 2 × 1.5 m	0004569200
H.FKM.12	Tube FKM, Ø 12 mm, -30 – 180 °C, 2 × 1.5 m, M 16 × 1	0004569300
INSULATION FOR HOSES		
ISO.8	Insulation, Ø 8 mm, 2 × 1.5 m	0004569400
ISO.12	Insulation, Ø 12 mm, 2 × 1.5 m	0004569500

ISO.8

ISO.12

Tube rack, 13 mm, S, stainless

Variable rack, ICC, ML, stainless
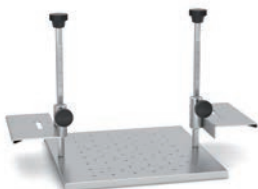
Variable bottom, ICC, L, stainless

Bottom plate L

Floating tube rack 1

Floating globes, PP

WH10

Product	Description	Ident. No.
TUBE RACKS		
Tube rack, 13 mm, S, stainless	Stainless steel rack for bath size S, Ø 13 mm	0020004026
Tube rack, 17 mm, S, stainless	Stainless steel rack for bath size S, Ø 17 mm	0020004027
Tube rack, 22 mm, S, stainless	Stainless steel rack for bath size S, Ø 22 mm	0020004028
Tube rack, 13 mm, ML, stainless	Stainless steel rack for bath size M+L, Ø 13 mm	0020004029
Tube rack, 17 mm, ML, stainless	Stainless steel rack for bath size M+L, Ø17 mm	0020004030
Tube rack, 22 mm, ML, stainless	Stainless steel rack for bath size M+L, Ø 22 mm	0020004031
Variable rack, ICC, ML, stainless	Variable rack for bath size M+L.ICC	0020004032
Inlay 1, variable rack, ICC, ML	Inlay for variable rack, Ø 13 mm, 2 pcs.	0020004033
Inlay 2, variable rack, ICC, ML	Inlay for variable rack, Ø 17 mm, 2 pcs.	0020004034
Inlay 3, variable rack, ICC, ML	Inlay for variable rack, Ø 22 mm, 2 pcs.	0020004035
Variable bottom, ICC, L, stainless	Variable bottom for bath size L.ICC	0020004614
Bottom plate L	Bottom plate for bath size L	0020006212
Bottom plate L, ICC	Bottom plate for bath size L.ICC	0020007353
FLOATING RACKS		
Floating tube rack 1	Floating tube rack for 24 × 1.5 / 2.0 ml tubes, 5 pcs.	0020003667
Floating tube rack 2	Floating tube rack for 8 × 15 ml tubes, 5 pcs.	0020003668
Floating tube rack 3	Floating tube rack for 4 × 50 ml tubes, 5 pcs.	0020003669
ADDITIONAL ACCESSORIES		
WH10	WiCo Holder	0020000984
PT 100.30	Temp. sensor, stn. steel	0004284700
PT 100 extension (Lemo)	Extension cable PT 100, lemo connector, 3 m	0020004629
Floating globes, PP	Floating globes, PP, 500 pcs.	0020003666
Distribution Pipe	4-sided distributor tube for improved flow in large tanks, stainless steel	0020027440
PDS.IB.R.RO	Pump connection set ICC for IB R RO baths, incl. distribution pipe	0020026449

CO V 1

Ball valve M16x1

Mechanic fluid level controller

Elbow tube 90°

Olive for DN 6 hoses

Adapter NTP 1/4

Adapter NTP 3/4

Product	Description	Ident. No.
VALVES AND LEVEL CONTROLLERS		
MV 1	Magnetic valve for cooling water control, max. 100 °C	0020003763
CO V 1	Closed pressure valve for external pump connection set, max. 180 °C	0020000249
Ball valve M16 × 1	Ball valve, completely opening (M 16 × 1)	0020004620
Mechanic fluid level controller	Mechanic fluid level controller	0020004618
ADAPTERS		
Elbow tube 90°	Elbow tube 90°	0025001212
Elbow Olive 90° for pump	90° tube adapter for pump mounting	0025007462
Y-hose connector 8 mm	Splitter, PP, max. 135 °C	0020010963
Olive for DN 6 hoses	Olive for DN 6 hoses, 2 pcs.	0020004667
Olive for DN 8 hoses	Olive for DN 8 hoses, 2 pcs.	0020004566
Olive for DN 10 hoses	Olive for DN 10 hoses, 2 pcs.	0020004568
Olive for DN 12 hoses	Olive for DN 12 hoses, 2 pcs.	0020004889
Adapter NTP 1/4	Adapter M 16 to NPT 1/4, 2 pcs.	0020004569
Adapter NTP 1/2	Adapter M 16 to NPT 1/2, 2 pcs.	0020004570
Adapter NTP 3/4	Adapter M 16 to NPT 3/4, 2 pcs.	0020004571
Adapter M16x1 f - G1/4 m	Adapter M 16 × 1 female to G 1/4 male	0020008807
Adapter M16x1 m - G1/4 m	Adapter M 16 × 1 male to G 1/4 male	0020008734
Adapter M16x1 m - G1/2 m	Adapter M 16 × 1 male to G 1/2 male	0020008796
Adapter M16x1 f - G1/2 m	Adapter M 16 × 1 female to G 1/2 male	0020008800
Adapter M16x1 f - G3/8 m	Adapter M 16 × 1 female to G 3/8 male	0020008730
Adapter M16x1 m - G3/8 m	Adapter M 16 × 1 male to G 3/8 male	0020008754
Adapter M16x1 m - M16x1 m	Adapter M 16 × 1 male to M 16 × 1 male, for hose extension	0025007118
Lock nut	Lock nut, 2 pcs.	0020004583
Stopper	Stopper, 2 pcs.	0020004584

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

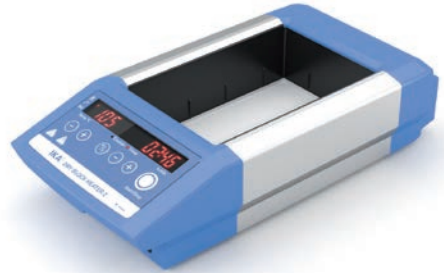### ACCESSORIES
Highly versatile with a large number of blocks.

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

Capacity for 4 heating blocks

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 homogenity 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

DRY BLOCK HEATERS | Accessories

DB 1.1

DB 3.2

DB 4.6

DB 4.6

DB 5.2

DB 5.8

DB 8.1

Product	Description	Ident. No.
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 11.5 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	0003516800
PT 1000.90	Temp. sensor, coated	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

IKA heating baths are developed with a strong focus on safety. All baths are equipped with a double jacket to protect against burns and a safety temperature monitor prevents overheating of the bath. After turning on the unit, the safety functions are automatically checked.

HB DIGITAL
/// Enlarged volume

The new universal heating bath HB digital now has a volume of 4 liters and is especially designed to work with our rotary evaporators. Apart from that, the unit can be operated as a stand-alone device for applications within preparative chemistry. It is easily operated by a push-button and a key switch locks temperature settings to prevent unintentional adjustments. Due to its ergonomic handles the device can be moved effortlessly within the laboratory. Its safety circuit is adjustable.
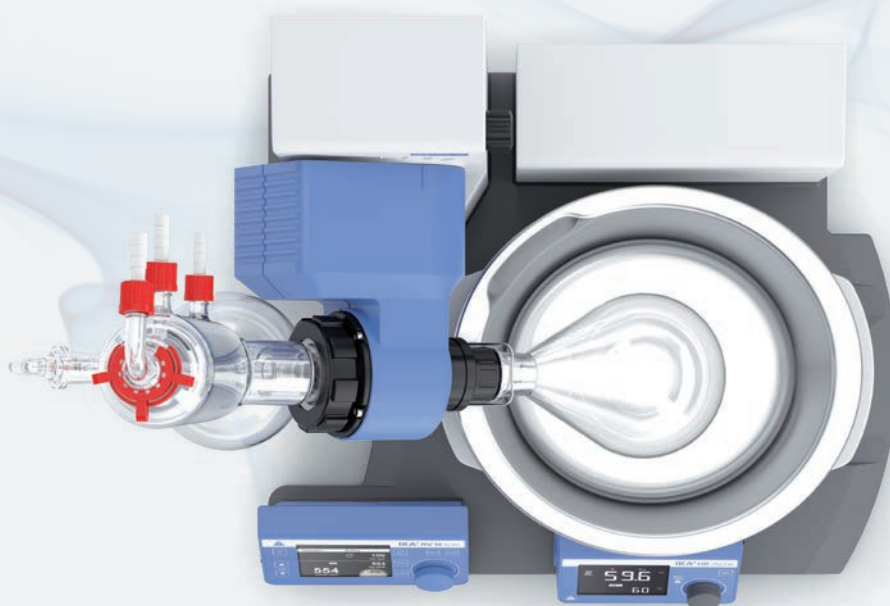
HB eco

Ident. No. 0025007523

HB digital

Ident. No. 0025007522

Heating temperature up to 180 °C

HBR 4 control

Ident. No. 0020003549

Integrated magnetic stirrer drive

Product		Ident. No.
ACCESSORIES HB ECO | DIGITAL		
HB 10.3	Protection cover HB eco and digital	0020024125
ACCESSORIES HBR 4 CONTROL		
H 240	Ring set	0002858700
H 159	Intermediate bottom	0001809700

TECHNICAL DATA	HB ECO | DIGITAL	HBR 4 CONTROL
Heating temperature max.	99 °C | 180 °C	200 °C
Filling volume max.	4 l	4 l
Filling point min.	60 mm	20 mm
Heat output	1400 W	1000 W
Safety circuit	109 °C | 50 – 190 °C	50 – 210 °C
Display	LED / LCD	LCD
Inner diameter	225 mm	200 mm
Dimensions (W × H × D)	330 × 190 × 325 mm	340 × 250 × 340 mm
Protection class according to DIN EN 60529	IP 21	IP 20

HB 10.3

The IKA Oven 125 are universal drying ovens for tempering, drying, aging and heating tasks in the laboratory. Rapid heating and exact temperature regulation guarantee reproducible results in industrial laboratories, schools and universities, research, quality control or science.

OVEN 125 CONTROL - DRY
/// The largest drying chamber in its class

Integrated programming function

A WELL THOUGHT OUT INTERIOR

The generously dimensioned interior of the Oven 125 control - dry is comfortably illuminated. A practical cable bushing at the rear of the device is provided as standard for measurements in the oven or in the test material. The fan switches off automatically if the door is opened. Up to 6 insertable shelves can be accomodated in the interior made of stainless steel.

INTERFACES

The Oven 125 control - dry offers an interface for an additional sensor for direct temperature regulation in the test material. Test parameters can be stored directly on a USB stick.

IKA Oven 125 control - dry is a forced convection heating and drying chamber and heats up to 300 °C. The additional temperature selection limited TWB (DIN 12880) meets the highest security requirements. Furthermore, the temperature curve can be monitored during testing independently of the safety temperature. This means that the test material is always protected.

TWO DISPLAYS

All important process parameters are displayed clearly on two large TFT displays. The temperature profiles and individual user profiles can be entered via the intuitive user interface. The real-time clock enables convenient digital documentation and a time-delayed start.

Oven 125 basic - dry

Ident. No. 0035002869

Oven 125 basic - dry glass

Ident. No. 0035002870

Oven 125 control - dry

Ident. No. 0035002863

Real time data logging function

Oven 125 control - dry glass

Ident. No. 0035002864

Product	Ident. No.
ACCESSORIES	
IO T 1.00 wire grid tray, chrome plated	0020024935
IO T 1.10 enhanced wire grid tray	0020007600
IO F 1.10 roller frame	0020007601
IO B 1.10 roller box	0020007602
IO P 1.10 table top work plate	0020007603
IO F 1.20 spacer frame	0035001326
PT 100.31 temp. sensor	0020009564

IO T 1.10

IO B 1.10

IO F 1.20

TECHNICAL DATA	OVEN 125 BASIC (DRY | DRY GLASS)	OVEN 125 CONTROL (DRY | DRY GLASS)
Principle of heat transfer	Natural convection	Forced convection (fan adjustable in 10 steps)
Total volume inner chamber	125 l	125 l
Working temperature	RT +5 °C – 250 °C	RT +5 °C – 300 °C
Heat output	2400 W	2400 W
Temperature constancy in medium	± 0.3 K	± 0.3 K
Temperature Safety Class (DIN 12880)	TB (Class 1)	TB (Class 1); TWB (Class 2)
Cable access port	No	Yes
Interior lighting	No	Yes
PT 100 interface	No	Yes
Protection class according to DIN EN 60529	IP 20	IP 20
Dimensions (W × H × D)	700 × 825 × 650 mm	700 × 825 × 650 mm

/// ROTARY EVAPORATORS

IKA rotary evaporators set new standards for safety, efficiency and ease of use. These products offer excellent distilling solutions. All IKA RV 10 evaporators are equipped with an automated lift including a safety stop function. More safety features are: interval operation, smooth start, end position recognition, automated lift-out in case of power outage as well as a timer function.

Unique package

RV 10 AUTO PRO
/// The flagship

RV 10 auto pros' features include an innovative handling concept with a bright, high-contrast TFT color display, an integrated vacuum controller, cooling water monitoring and mature safety standards.

EFFICIENT AND COST-EFFECTIVE OPERATIONS
These include automatic control of the vacuum and cooling water volume.

INNOVATIVE FEATURES
Smooth start, interval mode, right-left operation in interval mode, and the timer function for time-lapse tests make everyday work in the laboratory much easier.

SAFETY FEATURES
Safety is ensured by the motorized lift with safety stop function. Additional safety for users is provided by e.g. individually adjustable temperature safety circuits, protection against boiling dry and adjustable end-point recognition to prevent glass breakage.

① **RV 3 V**

Ident. No. 0010003324

② **RV 3 V-C**

Ident. No. 0010003328

③ **RV 3 FLEX**

Ident. No. 0010003331

④ **RV 3 dry ice condensor**

Ident. No. 0010006363

⑤ **RV 3 dry ice condensor C**

Ident. No. 0010006362

① **RV 8 V**

Ident. No. 0010003482

② **RV 8 V-C**

Ident. No. 0010003485

③ **RV 8 FLEX**

Ident. No. 0010003488

④ **RV 8 dry ice condensor**

Ident. No. 0010006361

⑤ **RV 8 dry ice condensor C**

Ident. No. 0010006360

Integrated safety lift-out function

TECHNICAL DATA	RV 3	RV 8
Motor type	Brushless DC drive motor	Brushless DC drive motor
Speed range	20 – 300 rpm	5 – 300 rpm
Speed display	Scale	Digital
Heating temperature range	RT – 99 °C	RT – 180 °C
Type of cooling	Vertical	Vertical
Cooling surface	1500 cm²	1500 cm²
Soft start	Yes	Yes
Head angle adjustable	0 to 60 °	0 to 45 °
Stroke displacement	150 mm, manual	120 mm, manual
Vacuum controller	Optional	Optional
Dimensions (W × H × D) without glass parts	440 × 530 × 330 mm	510 × 490 × 345 mm
Protection class acc. to DIN EN 60529	IP 20	IP 20

① **RV 10 digital V**

Ident. No. 0010004799

② **RV 10 digital V-C**

Ident. No. 0010004802

③ **RV 10 digital FLEX**

Ident. No. 0010004805

④ **RV 10 digital dry ice condensor**

Ident. No. 0010006365

⑤ **RV 10 digital dry ice condensor C**

Ident. No. 0010006364

TECHNICAL DATA	RV 10 DIGITAL
Motor type	Brushless DC drive motor
Speed range	5 – 280 rpm
Speed display	Digital
Clockwise and counter-clockwise	Yes
Heating temperature range	RT – 180 °C
Type of cooling	Vertical
Cooling surface	1500 cm²
Filling volume max.	4 l
Soft start	Yes
Head angle adjustable	0 to 45 °
Stroke displacement	140 mm, motorized
Setting of lower end stop	60 mm, contact free
Vacuum controller	Optional
Dimensions (W × H × D) without glass parts	500 × 430 × 440 mm
Protection class acc. to DIN EN 60529	IP 20

① **RV 10 auto V**

Ident. No. 0010004835

② **RV 10 auto V-C**

Ident. No. 0010004838

③ **RV 10 auto FLEX**

Ident. No. 0010004841

④ **RV 10 auto pro V**

Ident. No. 0010004815*

⑤ **RV 10 auto pro V-C**

Ident. No. 0010004812*

⑥ **RV 10 auto pro FLEX**

Ident. No. 0010004818*

*Pro packages include VACSTAR digital

TECHNICAL DATA	RV 10 AUTO
Motor type	Brushless DC drive motor
Speed range	5 – 300 rpm
Speed display	Digital
Clockwise and counter-clockwise	Yes
Heating temperature range	RT – 180 °C
Type of cooling	Vertical condenser
Cooling surface	1500 cm²
Filling volume max.	4 l
Soft start	Yes
Head angle adjustable	0 to 45 °
Stroke displacement	140 mm, motorized
Setting of lower end stop	60 mm, contact free
Vacuum controller	Integrated
Dimensions (W × H × D) without glass parts	500 × 430 × 440 mm
Protection class acc. to DIN EN 60529	IP 20

ROTARY EVAPORATORS | Accessories

RV 10.1

RV 10.1 enlarged surface

RV 10.3

RV 10.4

RV 10.400

RV 10.500

RV 10.600

RV 10.606

RV 10.84

RV 10.301

Product	Description	Ident. No.
ACCESSORIES RV 10, RV 8, RV 3		
RV 10.1	Set of glassware, vertical	0003655300
RV 10.10	Set of glassware, vertical, coated	0003755400
RV 10.1 enlarged surface	Vertical-condenser, enlarged surface	0020019652
RV 10.10 enlarged surface	Vertical-condenser, coated, enlarged surface	0020019654
RV 10.2	Set of glassware, diagonal	0003755300
RV 10.20	Set of glassware, diagonal, coated	0003755500
RV 10.3	Vertical-intensive condenser, manifold	0003741000
RV 10.30	Vertical-intensive condenser, manifold, coated	0003741100
RV 10.4	Dry ice condensor	0003742000
RV 10.40	Dry ice condensor, coated	0003742100
RV 10.5	Vertical-condenser, reflux	0003743000
RV 10.50	Vertical-condenser, reflux, coated	0003743100
RV 10.6	Vertical-intensive condenser, reflux	0003744000
RV 10.60	Vertical-intensive condenser, reflux, coated	0003744100
RV 05.10	Balljoint clamp	0000736600
RV 10.88	Clamp, NS 29	0003683300
RV 10.400	Evaporation cylinder, NS 29/32, 500 ml	0003738800
RV 10.401	Evaporation cylinder, NS 29/32, 1500 ml	0003738900
RV 10.500	Foam brake, NS 29/32	0003739200
RV 10.600	Distilling spider, NS 29/32, 6 sleeves	0003739400
RV 10.601	Distilling spider, NS 29/32, 12 sleeves	0003739500
RV 10.602	Distilling spider, NS 29/32, 20 sleeves	0003739600
RV 10.610	Distilling sleeve, 20 ml	0003919400
RV 10.606	Distilling spider with 5 flasks, 50 ml	0003740800
RV 10.607	Distilling spider with 5 flasks, 100 ml	0003740900
RV 10.90	Evaporation flask, NS 24/29, 50 ml	0003741200
RV 10.91	Evaporation flask, NS 24/29, 100 ml	0003741300
RV 10.80	Evaporation flask, NS 29/32, 50 ml	0003740100
RV 10.800	Evaporation flask, coated, NS 29/32, 50 ml	0020005330
RV 10.81	Evaporation flask, NS 29/32, 100 ml	0003740200
RV 10.810	Evaporation flask, coated, NS 29/32, 100 ml	0020005331
RV 10.82	Evaporation flask, NS 29/32, 250 ml	0003740300
RV 10.820	Evaporation flask, coated, NS 29/32, 250 ml	0020005332
RV 10.83	Evaporation flask, NS 29/32, 500 ml	0003740400
RV 10.830	Evaporation flask, coated, NS 29/32, 500 ml	0020005333
RV 10.84	Evaporation flask, NS 29/32, 1000 ml	0003740500
RV 10.840	Evaporation flask, coated, NS 29/32, 1000 ml	0004221400
RV 10.85	Evaporation flask, NS 29/32, 2000 ml	0003740600
RV 10.850	Evaporation flask, coated, NS 29/32, 2000 ml	0020005334
RV 10.86	Evaporation flask, NS 29/32, 3000 ml	0003740700
RV 10.860	Evaporation flask, coated, NS 29/32, 3000 ml	0020005335

RV 10.103

RV 10.74
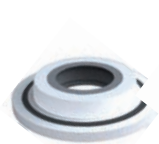
RV 10.8001   RV 10.3000

Product	Description	Ident. No.
ACCESSORIES RV 3, RV 8, RV 10		
RV 10.100	Receiving flask, KS 35/20, 100 ml	0003742200
RV 10.101	Receiving flask, KS 35/20, 250 ml	0003742300
RV 10.102	Receiving flask, KS 35/20, 500 ml	0003742400
RV 10.103	Receiving flask, KS 35/20, 1000 ml	0003742500
RV 10.104	Receiving flask, KS 35/20, 2000 ml	0003742600
RV 10.105	Receiving flask, KS 35/20, 3000 ml	0003742700
RV 10.200	Receiving flask, coated, KS 35/20, 100 ml	0003743200
RV 10.201	Receiving flask, coated, KS 35/20, 250 ml	0003743300
RV 10.202	Receiving flask, coated, KS 35/20, 500 ml	0003743400
RV 10.203	Receiving flask, coated, KS 35/20, 1000 ml	0003743500
RV 10.204	Receiving flask, coated, KS 35/20, 2000 ml	0003743600
RV 10.205	Receiving flask, coated, KS 35/20, 3000 ml	0003743700
RV 10.300	Powder flask, NS 29/32, 500 ml	0003738200
RV 10.301	Powder flask, NS 29/32, 1000 ml	0003738300
RV 10.302	Powder flask, NS 29/32, 2000 ml	0003738400
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10.74	Vapor tube, short, NS 29/32	0003971700
RV 10.8001	Seal, PTFE, stn. steel	0003907000
RV 10.3000	Extension plate	0003859000

Product	Description	Ident. No.
ACCESSORIES RV 3		
RV 3.1	Support pole	0025004587
RV 3.4	Woulff bottle	0025004588
RV 10.5005	Hose kit	0020000552

Product	Description	Ident. No.
ACCESSORIES RV 8		
RV 8.1	Support pole	0004438500
RV 8.2	Mechanical end stop for RV 8	0025001342
RV 8.3	Stand pole	0025004707
RV 10.5005	Hose kit	0020000552

Product	Description	Ident. No.
ACCESSORIES VALVE RV 10 AUTO		
RV 10.4002	Magnetic valve laboratory vacuum	0003880300
RV 10.5001	Choke water valve	0003902700
RV 10.5002	Filter	0003903800
RV 10.5003	Pressure regulating valve	0003907100

RV 3.1   RV 3.4

RV 10.4002

RV 10.5003

The IKA centrifuges are ideal for applications which do not require ultra high speeds, e.g. micro-filtrations and cell separations. The centrifuges mini G and G-L feature a compact design and a small footprint. As a safety feature, the IKA centrifuges will only operate when the lid is closed.

The clearest display in its class

IKA G-L
/// The universal midi centrifuge

Separating substances at medium rotational speeds: IKA G-L is the ideal midi centrifuge for all types of separation processes such as those found in molecular biology. It can be used with standard 1.5 / 2 ml vessels, as well as with PCR strips. The cover opens automatically at the press of a button.

SAFE USE
The centrifuge is fitted with a metal cover and does not start until it is firmly closed.

STATE-OF-THE-ART DISPLAY
The completely intuitive navigation is carried out through a membrane keypad. This allows an easy setting of speed, rotational speed or programmes.

POWERFUL MOTOR
With a rotational speed of up to 15 700 rpm, the centrifuge is fitted with a high-performance motor.

mini G

Ident. No. 0003958000*

*Adapters included in delivery

IKA G-L*

Ident. No. 0020021303

*2 ml rotor set included in delivery

Product	Ident. No.
ACCESSORIES IKA MINI G	
Rotor 4 × HPLC	0020022341
ACCESSORIES IKA G-L	
PCR Set	0030001345
Adapter PCR tube	0030001346
Adapter 0.5 ml tube	0030001347
Adapter 0.4 ml tube	0030001334
2 ml rotor set	0030001333

IKA G-L, PCR Set

TECHNICAL DATA	IKA MINI G	IKA G-L
Capacity	8 × 2.0 ml	12 × 1.5 / 2.0 ml
Centrifugal acceleration	2000 G	16 500 G
Speed range	6000 rpm	800 – 15 700 rpm
Motor rating input	12 W	65 W
Speed deviation	5 %	5 %
Quick stop	Yes	Yes
Cover opening	Automatic	Automatic
Protective cover	Yes	Yes
Dimensions (W × H × D)	155 × 105 × 175 mm	200 × 140 × 280 mm
Weight	1.4 kg	3.9 kg

An ergonomic feel combined with uncompromising precise performance: the IKA fix and vario pipettes can be used for many applications in the modern laboratory. Colour coding simplifies the rapid selection of a suitable pipette. High impact, UV and chemical resistance ensures that the tip cone provides long-term reliable dosing. The IKA PETTE fix and vario are fully autoclavable, therefore ensuring easy sterilization. This guarantees fault-free, precise and safe operation.

IKA PETTE vario
/// Simple liquid handling for variable volumes

ERGONOMIC DESIGN
IKA pipettes are delivered including exchangeable grips in different shapes and materials. The minimal frictional and spring forces also ensure dosing with ergonomic handling; without any effort.

DURABLE CONSTRUCTION
The tip cone and piston are coated with a high quality diamond-like carbon (DLC).

SIMPLE MAINTENANCE AND ADJUSTMENT
The volume unit with piston and seal can be disassembled and cleaned in just a few simple steps. If adjustment is necessary, it can be done without any additional tool.

GERMAN DESIGN AWARD WINNER 2020

iF DESIGN AWARD 2020

① **IKA PETTE fix 5 µl**
Ident. No. 0020011219

② **IKA PETTE fix 10 µl**
Ident. No. 0020011220

③ **IKA PETTE fix 20 µl**
Ident. No. 0020011221

④ **IKA PETTE fix 25 µl**
Ident. No. 0020011222

⑤ **IKA PETTE fix 50 µl**
Ident. No. 0020011223

⑥ **IKA PETTE fix 100 µl**
Ident. No. 0020011224

⑦ **IKA PETTE fix 200 µl**
Ident. No. 0020011225

⑧ **IKA PETTE fix 250 µl**
Ident. No. 0020011226

⑨ **IKA PETTE fix 500 µl**
Ident. No. 0020011227

⑩ **IKA PETTE fix 1000 µl**
Ident. No. 0020011228

	IKA PETTE FIX	MAX. VOLUME TIP
①	5 µl	10 µl
②	10 µl	10 µl
③	20 µl	200 µl
④	25 µl	200 µl
⑤	50 µl	200 µl

	IKA PETTE FIX	MAX. VOLUME TIP
⑥	100 µl	200 µl
⑦	200 µl	200 µl
⑧	250 µl	1000 µl
⑨	500 µl	1000 µl
⑩	1000 µl	1000 µl

PIPETTES | IKA PETTE vario

① **IKA PETTE vario 0.1 – 2 µl**
Ident. No. 0020011210

② **IKA PETTE vario 0.5 – 10 µl**
Ident. No. 0020011211

③ **IKA PETTE vario 2 – 20 µl**
Ident. No. 0020011213

④ **IKA PETTE vario 10 – 100 µl**
Ident. No. 0020011214

⑤ **IKA PETTE vario 20 – 200 µl**
Ident. No. 0020011215

⑥ **IKA PETTE vario 100 – 1000 µl**
Ident. No. 0020011216

⑦ **IKA PETTE vario 0.5 – 5 ml**
Ident. No. 0020011217

⑧ **IKA PETTE vario 1 – 10 ml**
Ident. No. 0020011218

IKA PETTE VARIO		MAX. VOLUME TIP
①	0.1 – 2 µl	10 µl
②	0.5 – 10 µl	10 µl
③	2 – 20 µl	200 µl
④	10 – 100 µl	200 µl

IKA PETTE VARIO		MAX. VOLUME TIP
⑤	20 – 200 µl	200 µl
⑥	100 – 1000 µl	1000 µl
⑦	0.5 – 5 ml	5 ml
⑧	1 – 10 ml	10 ml

LINEA
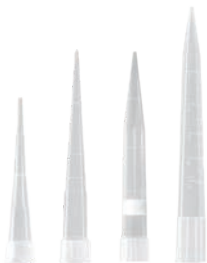
Pipette tips

Filter XL   Filter L

Product	Description	Ident. No.
ACCESSORIES		
LINEA	Pipette rack	0020018987
Tip xs bag	Pipette tip, 10 µl, transparent, 10 000 pcs.	0020017816
Tip xs tray	Pipette tip, 10 µl, transparent, 2304 pcs.	0020017818
Tip xs box	Pipette tip, 10 µl, transparent, 1920 pcs.	0020101786
Tip xs box +	Filter tip, 10 µl, sterile, transparent, 1920 pcs.	0020017820
Tip s bag	Pipette tip, 200 µl, transparent, 10 000 pcs.	0020017822
Tip s tray	Pipette tip, 200 µl, transparent, 1920 pcs.	0020017823
Tip s box	Pipette tip, 200 µl, transparent, 1920 pcs.	0020101787
Tip s box +	Filter tip, 200 µl, sterile, transparent, 1920 pcs.	0020017824
Tip m bag	Pipette tip, 1000 µl, transparent, 5000 pcs.	0020017826
Tip m box	Pipette tip, 1000 µl, transparent, 1920 pcs.	0020101788
Tip m tray	Pipette tip, 1000 µl, transparent, 1920 pcs.	0020100421
Tip m box +	Filter tip, 1000 µl, sterile, transparent, 1920 pcs.	0020100000
Tip l bag	Pipette tip, 5 ml, transparent, 2500 pcs.	0020017829
Tip l box	Pipette tip, 5 ml, transparent, 500 pcs.	0020017830
Tip xl bag	Pipette tip, 10 ml, transparent, 1000 pcs.	0020017831
Tip xl box	Pipette tip, 10 ml, transparent, 250 pcs.	0020017832
Pipette tip box xs/s	Stacking box, 6 pcs.	0020017834
Refill tray xs	Refill tray, 25 pcs.	0020017836
Refill tray s	Refill tray, 25 pcs.	0020017837
Filter L	Filter for single-channel pipette 5 ml, 100 pcs.	0020016449
Filter XL	Filter for single-channel pipette 10 ml, 100 pcs.	0020016450

SOFTWARE
Pipette Calibration Software

Ident. No. 0020022141

User-friendly calibration software for planning,
performing and recording all calibration tests.

IKA lab reactors are the most unique systems when it comes to optimizing and reproducing chemical reactions, mixing, dispersing and homogenization processes on a lab scale. The lab reactors can be individually customized to perform numerous tasks, including production of creams and lotions, grinding and disintegrating of solids and fibers in liquids or polymers, etc. Single-walled or double-walled vessels made from borosilicate glass or stainless steel are available, each with or without bottom discharge valve.

LR 1000 CONTROL SYSTEM
/// Reactor with weighing function and cooling water control

The LR 1000 control is a cost efficient, modular laboratory reactor designed to optimize chemical reaction processes as well as for mixing, dispersing and homogenization tasks on a lab scale particularly in the cosmetic and pharmaceutical industry. The system can be adapted quickly and easily to a wide range of applications and specific requirements.

Prominent features are its intuitive menu navigation, integrated pH and temperature sensor connection as well as several interfaces that allow display and storage of process-relevant data on a PC. By using the laboratory software labworldsoft® (accessory) it is possible to even control the reactor via PC and make further settings. In addition, a control valve connection to attach a magnetic valve (accessory) for program-based cooling water control is integrated.

LR 1000 basic Package

Ident. No. 0008040100

With just one base unit multiple vessels can be used!

reddot design award
winner 2013

German
Design Award
SPECIAL
MENTION 2015

LR 1000 control System

Ident. No. 0025001991

Weighing range:
max. 2 kg

TECHNICAL DATA	LR 1000 BASIC*	LR 1000 CONTROL SYSTEM*
Usable volume (with disperser tool)	500 – 1000 ml	500 – 1000 ml
Attainable vacuum	25 mbar	25 mbar
Max. viscosity	100 000 mPas	100 000 mPas
Speed range	10 – 150 rpm	10 – 150 rpm
Display	LED	TFT
Working temperature max.	120 °C	120 °C
Vessel specification	FKM sealing; achhor stirrer	FFKM sealing; anchor stirrer with scraper
pH measurement	–	Yes (BNC)
Cooling water control	–	Yes
Heat control accuracy of medium with sensor	± 0.2 K	± 0.2 K
Heat output	1000 W	1000 W
Dimensions (W × H × D)	443 × 360 × 295 mm	443 × 360 × 295 mm

* PT 100.30 included in delivery

REACTOR SYSTEMS | LR-2.ST Packages

LR-2.ST
The High-Performer

Ident. No. 0020013291

LR-2.ST stand system
+ LR-2.SI safety disconnection
+ EUROSTAR 200 control P4
  overhead stirrer

LR-2.ST
The Allrounder

Ident. No. 0020013292

LR-2.ST stand system
+ LR-2.SI safety disconnection
+ EUROSTAR 200 control
  overhead stirrer

LR-2.ST
The Versatile

Ident. No. 0020013293

LR-2.ST stand system
+ LR-2.SI safety disconnection
+ EUROSTAR 100 control
  overhead stirrer

LR-2.ST
The Compact Power

Ident. No. 0020013294

LR-2.ST stand system
+ LR-2.SI safety disconnection
+ EUROSTAR 60 control
  overhead stirrer

TECHNICAL DATA	LR-2.ST
Min. volume (anchor stirrer)	500 ml
Min. volume (T 25 digital)	800 ml
Max. volume	2000 ml
Max. working temperature	230 °C
Attainable vacuum	25 mbar
Max. viscosity (EUROSTAR 200 control P4)	150 000 mPas
Speed range (EUROSTAR 200 control P4)	0 | 4 – 530 rpm
Max. torque at stirring shaft (EUROSTAR 200 control P4)	660 Ncm
Materials in contact with medium	Stainless steel (AISI 316L) FFPM Borosilicate glass 3.3
Height of telescopic stand	620 – 1010 mm
Dimensions (W × H × D)	460 × 1240 × 430 mm

LR-2.ST STARVISC 200
/// Stirs and displays viscosity

The reactor system is particularly helpful during product development, because the measuring stirrer STARVISC 200-2.5 control already clearly indicates while running research programs as to whether the stirred substance can be used as desired. The system is particularly characterized by the agitator mounting, which allows for a safe transfer of the higher motor torque. In combination with STARVISC it is possible to intensively stir even highly viscous substances and at the same time display their viscosity.

In addition, ULTRA-TURRAX® dispersers, temperature sensors, flow breakers and other accessories can be attached to the open ports of the reactor cover.

LR-2.ST STARVISC 200

Ident. No. 0020020603

TECHNICAL DATA	LR-2.ST STARVISC 200
Min. volume (anchor stirrer)	500 ml
Max. volume	2000 ml
Max. working temperature	230 °C
Attainable vacuum	25 mbar
Max. viscosity	100 000 mPas
Speed min.	6 rpm
Max. torque at stirring shaft	200 Ncm
Materials in contact with medium	Stainless steel (AISI 316L) FFPM Borosilicate glass 3.3
Telescope stand stroke	620 – 1010 mm
Dimensions (W × H × D)	460 × 1240 × 430 mm

REACTOR SYSTEMS | Accessories

WiCo LR 1000

LR 1000.3

LR 1000.10

LR 1000.20

LR 1000.41

LR 1000.64

LR 1000.70

MV 1

LR 2000.10

LR 2000.11

Product	Description	Ident. No.
ACCESSORIES LR 1000		
WiCo LR 1000	Wireless controller	0020007267
LR 1000.1	Reactor vessel, 1000 ml, FKM sealings, 4 connectors, anchor stirrer	0003602000
LR 1000.3	Reactor vessel, 1000 ml, FFKM sealings, 6 connectors, anchor stirrer with PEEK scrapers	0025001955
LR 1000.10	Anchor stirrer with PEEK scrapers	0004663100
LR 1000.11	Anchor stirrer, stainless steel	0004663000
LR 1000.20	Flow breaker / baffle, stainless steel	0004663200
LR 1000.41	Shaft receptacle for dispersing tool	0004664300
LR 1000.61	Temperature sensor receptacle	0004664400
LR 1000.62	Sensor receptacle GL 14	0020010508
LR 1000.64	pH electrode	0004663300
LR 1000.65	pH electrode receptacle	0004663400
LR 1000.70	Lid holder	0025003123
MV 1	Magnetic valve for cooling water control, max. 100 °C	0020003763
Holder MV 1	Holder for cooling water control valve	0020019816
ACCESSORIES LR-2.ST		
LR-2.SI	Safety stop	0003318300
LR 2000.10	Anchor stirrer with PEEK scraper	0002508400
LR 2000.11	Anchor stirrer, stainless steel	0002509500
LR 2000.20	Flow breaker / baffle, stn. steel	0002508500
LR 2.1	Glass reactor vessel, single-walled, 2000 ml	0003070000
LR 2000.1	Glass reactor vessel, double-walled, 2000 ml	0002508300
LR 2000.2	Glass reactor vessel, double-walled, bot. drain 2000 ml	0002509600
LR 2000.3	Stainless steel reactor vessel, double-walled, 2000 ml	0002509700
LR 2000.4	Stainless steel reactor vessel, double-walled, bot. drain, 2000 ml	0003064900

LR 2.1

LR 2000.1

LR 2000.2

LR 2000.3

LR 2000.4

HBR 4 control LR

LT 5.24

Product	Description	Ident. No.
ACCESSORIES LR-2.ST		
LR 2000.40	Shaft receptacle	0002509200
LR 2000.60	Sensor receptacle	0002509300
LR 2000.64	pH process electrode	0020010075
LR 2000.65	pH measuring sensor receptacle	0003172600
LR-2.SP	Splinter shield	0003326400
LT 5.23	Hose adapter set	0002235000
LT 5.24	Hose adapter	0002578100
LT 5.25	Lock coupling set	0020000878
LT 5.26	Lock adapter set	0020000879
LT 5.27	Hose adapter set	0020000880
H 68.55	Temp. sensor, stn. steel, Ø 8 mm	0025007921
HBR 4 control LR	Heating bath, 4 l	0010001849
PT 1000.61	Temperature sensor, Ø 6 mm	0020009881

ACCESSORIES LABORATORY REACTORS		
T 25 digital LR	Disperser	0020008820
S 25 KV - 25 G	Dispersing element, Ø 25 mm	0002466900
S 25 KV - 25 F	Dispersing element, Ø 25 mm	0002404000
S 25 KV - 26 LR	Dissolver stirrer, high speed	0020015397
S 25 KD - LR - 18 G	Dispersing element, Ø 18 mm	0025007071
S 25 KD - LR - 25 G	Dispersing element, length: 267 mm	0025007321
S 25 KD - LR - 25 F	Dispersing element, length: 267 mm	0025007322

T 25 digital LR

S 25 KD - LR - 25 G

S 25 KD - LR - 25 F

REACTOR SYSTEMS | magic PLANT

magic PLANT basic

Ident. No. 0020001186

The ideal small laboratory plant for perfect mixing and homogenizing of liquid to pasty products.

magic PLANT inline

Ident. No. U107703

Effective dispersing and homogenizing. In connection with the IKA magic LAB, the magic PLANT is specially adapted to the requirements of batch plants.

magic PLANT powder

Ident. No. U107159

Efficient but gentle mixing and drying of all free flowing solids, including products with different bulk densities and particle sizes.

The IKA magic PLANT is an ideal laboratory scale process plant. This system is used for batch-wise mixing, homogenizing, emulsifying, in addition to forming sample suspensions for capacities of up to 2 liters. Whether it is involved with the manufacturing of liquids, pastes or powders – the magic PLANT delivers, enabling a seamless transition from product development to production.

TECHNICAL DATA	MAGIC PLANT BASIC	MAGIC PLANT INLINE	MAGIC PLANT POWDER
Max. admissable temperature	150 °C	80 / 120 °C	150 °C
Working pressure range	-1 to 2.5 bar (5 bar*)	-0.5 to 2.5 bar	-1 to 2.5 bar (5 bar*)
Useful volume	1 – 2 l	0.5 – 2 l	0.5 – 1.5 l
Stirring tool	Anchor and propeller	Anchor	Spiral
Speed range	0 – 2000 rpm (Propeller, Dissolver) 0 – 350 rpm (Anchor, Spiral)	0 – 2000 rpm (Propeller, Dissolver) 0 – 350 rpm (Anchor, Spiral)	0 – 350 rpm (Spiral)

* with optional safety valve

Algaemaster 10 control

Ident. No. 0020009577

ALGAEMASTER 10 CONTROL
/// Growing algae made easy

Algae are becoming increasingly interesting for different industries. The IKA Algaemaster 10 control is a fully autonomous photo bioreactor that provides researchers with the equipment necessary for producing mass densities of sensitive microalgae.

Min. usable volume: 6 l
Max. usable volume: 10 l

TECHNICAL DATA	ALGAEMASTER 10 CONTROL
Useable volume	6000 – 10 000 ml
Viscosity max.	100 mPas
Speed range	10 – 100 rpm
Temperature measurement resolution	0.1 K
pH measuring range	0 – 13 pH
Accuracy of pH measurement	0.1 pH
pH measurement resolution	0.01 pH
Cooling medium temperature	4 – 60 °C
Speed deviation	±5 rpm
Speed display	TFT
Dimensions (W × H × D)	800 × 1000 × 600 mm
Weight	46 kg

> Ocean water resistant and completely autoclavable lid and vessel
> Metal-free components for sensitive bioactive materials
> Material touching the product: borosilicate glass, PTFE, Ultem®
> Computerized control of lighting, temperature, stirring, pH and dosing of liquid or gas
> Customizable lid with nine receptacles
> Effortless data collection via USB drive
> Attractive cost / performance ratio

Advanced software with an innovative visual approach to lab automation. labworldsoft® is a multi-purpose software program for measuring, controlling and regulating laboratory devices. It can network up to 64 devices simultaneously via one PC, thus making the automation of your laboratory experiments and processes much more easy and efficient. It does not only integrate IKA laboratory devices but also supports devices from other manufacturers.

LABWORLDSOFT® 6
/// One software, unlimited possibilities

Manufacturers with interface devices compatible to labworldsoft®

labworldsoft® 6 Starter
Ident. No. 0020019397

labworldsoft® 6 Starter Update
Ident. No. 0020019398

labworldsoft® 6 Pro
Ident. No. 0020017366

labworldsoft® 6 Starter Upgrade
Ident. No. 0020019399

labworldsoft® 6 Pro Update
Ident. No. 0020018014

labworldsoft® 6 Pro + 5 Years Support
Ident. No. 0020022767

C 6040 Calwin

Ident. No. 0004040500

CalWin represents the newest generation of professional software for IKA calorimeters. It offers numerous functions for device control and monitoring as well as for evaluating results.

Expert Key 100 eco

Expert Key 100 pro

ETH SER 4

Product	Description	Ident. No.
Expert Key 100 eco	Data collection system for laboratories	0020005486
Expert Key 100 pro	Data collection system for industries	0020005485
Multi power switch	Switchable multiple connection plug board	0020003454
MV 1 power plug	Cooling water valve with power plug	0010001655
RV 10 A 1	Adapter valve for Expert Key	0020004314
PT 100.1 A 1	Adapter LEMO for Expert Key	0020004315
PT 1000 A 1	Adapter DIN 6 for Expert Key	0020004316
PT 100.10 A 1	Adapter DIN 5 for Expert Key	0020004317
PC 1.1	Cable, L 3 m	0002616700
PC 1.5	Cable, L 2.5 m	0002756000
PC 2.1	Cable, L 5 m	0002700700
USB 3.0 EXT 10	USB 3.0 extension cable, L 10 m	0020021255
DTM 12.10	Data cable, L 2.5 m, 9 pins (F)	0003127800
PC 1.2	Adapter, 25 pins	0002616800
PC 1.4	Adapter, 9 pins (F), 15 pins (M)	0002755900
PC 2.2	Adapter, 9 pins (F), 25 pins (M)	0002753200
PCI 8.2	Plug-in card, 25 pins	0008017500
USB SER 4	USB-serial converter 4 ports	0020003456
USB SER 8	USB-serial converter 8 ports	0020018480
USB SER 16	USB-serial converter 16 ports	0020018736
USB Hub 2.0 4	USB hub 2.0 4 ports	0020021256
USB Hub 2.0 7	USB hub 2.0 7 ports	0020021257
USB ISO	USB isolator	0020101935
ETH SER 4	Ethernet-serial converter 4 ports	0003192000
ETH SER 8	Ethernet-serial converter 8 ports	0020021350
ETH SER 16	Ethernet-serial converter 16 ports	0020021351

IKA oxygen bomb calorimeters are the market leaders when it comes to determining the calorific values of liquid and solid samples. The selection of IKA oxygen bomb calorimeters are optimally geared towards various different demands. Functionality, safety and longevity were the main goals in the development of IKA's oxygen bomb calorimeters.

C 6000
/// An evolution in calorimetry

The champion of modern calorimetry has been developed even further. The new C 6000 has an intuitive touch screen with unique user guidance. The high level of automation simplifies everyday work and enables high sample throughput. The strictest adherence to standards gives rise to the most accurate repeatable results in the world and guarantees the desired assurance.

C 1 Package 1/10

Ident. No. 0010005657

C 1 Package 1/12

Ident. No. 0010005660

C 1 Package 2/10

Ident. No. 0010005658

C 1 Package 2/12

Ident. No. 0010005661

C 1 Package 3/10

Ident. No. 0010005659

C 1 Package 3/12

Ident. No. 0010005662

C 200

Ident. No. 0008802500

C 200 h

Ident. No. 0008803700

C 200 auto

Ident. No. 0010002379

C 200 h auto

Ident. No. 0010002387

TECHNICAL DATA	C 1	C 200	C 200 H
Maximum energy input	40 000 J / 9560 cal	40 000 J / 9560 cal	
Resolution of the temperature sensor	0.0001 K	0.0001 K	
Power ON-time	100 %	100 %	
Oxygen operating pressure max.	40 bar	40 bar	
Measuring modes / Measurements per hour	Static jacket (Regnault Pfaundler) 4	Isoperibol 3, Dynamic 6 Manual 3, Time-controlled 4	
Start temperature settings	2 possible settings: 22 °C or 30 °C	18 – 25 °C	
Reproducibility (1g benzoic acid NBS39i)	Static jacket (Regnault Pfaundler) 0.15 % RSD	Isoperibol 0.1 % RSD Dynamic 0.1 % RSD Manual (Isoperibol) 0.1 % RSD Time-controlled 0.1 % RSD	
Number of decomposition vessels per unit	up to 2	up to 4	
Dimensions (W × H × D)	290 × 280 × 300 mm	400 × 400 × 400 mm	

C 6000 isoperibol Package 1/10

Ident. No. 0010004524

C 6000 global standards Package 1/10

Ident. No. 0010004520

C 6000 isoperibol Package 1/12

Ident. No. 0010004525

C 6000 global standards Package 1/12

Ident. No. 0010004521

C 6000 isoperibol Package 2/10

Ident. No. 0010004526

C 6000 global standards Package 2/10

Ident. No. 0010004522

C 6000 isoperibol Package 2/12

Ident. No. 0010004527

C 6000 global standards Package 2/12

Ident. No. 0010004523

TECHNICAL DATA	C 6000 ISOPERIBOL I GLOBAL STANDARDS
Maximum energy input	40 000 J / 9560 cal
Resolution of the temperature sensor	0.0001 K
Display	TFT with touch screen
Oxygen operating pressure max.	40 bar
Reproducibility (1g benzoic acid NBS39i)	Isoperibol 0.05% RSD Dynamic 0.15% RSD Adiabatic 0.05% RSD
Measuring modes	Isoperibol 22 / 25 / 30 °C Dynamic 22 / 25 / 30 °C Adiabatic 22 / 25 / 30 °C
Measurements per hour	Isoperibol 4 Dynamic 6 Adiabatic 5
Number of possible decomposition vessels per device	up to 4
Dimensions (W × H × D)	500 × 425 × 450 mm

AOD 1

Ident. No. 0008801300

C 7000 Set 1

Ident. No. 0008800900

C 7000 Set 2

Ident. No. 0008801400

TECHNICAL DATA	C 7000
Maximum energy input	30 000 J
Resolution of the temperature sensor	0.0001 K
Display	LED
Oxygen operating pressure max.	40 bar
Reproducibility (1g benzoic acid NBS39i)	0.2 % RSD
Measuring modes	Double dry (ISO 1928)
Working temperature max.	30 °C
Number of possible decomposition vessels per device	8
Dimensions (W × H × D)	310 × 395 × 490 mm

TECHNICAL DATA	AOD
Decomposition time	3 min
Chamber volume	210 ml
Pressure max.	195 bar
Core temperature max.	1200 °C
Oxygen operating pressure max.	40 bar
Permissible ambient temperature	min. 5 °C max. 40 °C
Weight	12.5 kg
Dimensions (W × H × D)	400 × 480 × 260 mm
Power input	45 W

C 1.12

C 1.20

C 1.50

C 6010

C 6030

C 21

Product	Description	Ident. No.
ACCESSORIES AND CONSUMABLES C 1		
C 1/10	Food add on Package for C 1	0010001917
C 1.20	Water heater	0020012603
C 1.10	Combustion chamber	0004500300
C 1.12	Combustion chamber, halogen resistant	0004500400
C 1.50	Dot matrix printer	0004500600
C 1.30	Venting station	0004500900
C 1.1012	Organizer	0004500700
C 1.101	Set of spare parts, approx. 1000 experiments	0004502200
C 1.121	Set of spare parts, approx. 1000 experiments	0004502300
C 1.103	Ignition wire, standard, Kanthal, 5 pcs.	0004579300
C 1.123	Ignition wire, platinum, 2 pcs.	0004500200
ACCESSORIES AND CONSUMABLES C 6000		
C 6010	Decomposition vessel, standard	0003770000
C 6012	Decomposition vessel, halogen resistant	0004504000
C 6010.10	Combustion shield	0020007518
C 1.50	Dot matrix printer	0004500600
C 6030	Venting station	0004504100
C 60.1012	Organizer	0004504200
C 6000.10	Set of spare parts, approx. 1000 experiments	0004504300
C 6000.12	Set of spare parts, approx. 1000 experiments	0004504400
C 1.103	Ignition wire, standard, Kanthal, 5 pcs.	0004579300
C 1.123	Ignition wire, platinum, 2 pcs.	0004500200
ACCESSORIES ALL CALORIMETERS		
C 27	Calorimeter preparation set	0004579700
C 29 (DIN 477)	Pressure regulator, oxygen	0000750200
C 29 (BS341-3)	Pressure regulator, oxygen	0020101322
C 29 (NFE29-656)	Pressure regulator, oxygen	0020101828
C 21	Pelleting press	0001605300
C 5010.8	Crucible holder, small	0004579800
C 5010.5	Crucible holder, big	0003055900

C 200.RC

C 248

C 5010

C 5020

C 48

Product	Description	Ident. No.
ACCESSORIES C 200		
C 200.RC	Set of hoses	0020010835
C 248	Oxygen station	0003520000
C 200.1	Measuring cup, 2000 ml	0003548900
C 200.2	Conversion kit for C 5012	0004028800
ACCESSORIES C 200, C 2000, C 5000		
C 5010	Decomposition vessel, standard	0007114000
C 5012	Decomposition vessel, halogen resistant	0007215000
C 5030	Venting station	0007198000
C 5010.4	Attachment for combustible crucible C 14	0003016900
C 26	Prep stand	0008804000
ACCESSORIES C 2000, C 5000, C 6000		
C 5020	Sample rack	0007145000
ACCESSORIES C 2000, C 5000, C 7000		
C 5041.10	Connection cable	0003036000
ACCESSORIES C 1, C 2000, C 6000		
C 25	Pressure regulating valve	0003197200
ACCESSORIES C 7000		
C 7000	Measurement cell	0003008000
C 7010	Decomposition vessel, standard	0003015000
C 7012	Decomposition vessel, halogen resistant	0003017000
C 7002	Cooling system	0007011000
C 48	Oxygen station	0001560000
C 7030	Venting station	0003013300
C 7010.8	Venting handle	0007095000
C 5010.4	Attachment for combustible crucible C 14	0003016900

C 7010.8

C 5010.4

C 5010.5

C 710.4

C 5

C 4

C 10

C 9

C 15

C 12

C 43

C 17

AOD 1.11

C 723

C 5012.3

Product	Description	Ident. No.
CONSUMABLES ALL CALORIMETERS		
C 6000.1	Water protect, 100 ml	0020014031
C 710.4	Cotton thread, cut to length, 500 pcs.	0001483700
C 710.8	Cotton thread, cut to length, thick, 500 pcs.	0004579900
C 4	Quartz dish	0001695500
C 5	Set of VA combustion crucibles, 25 pcs.	0001749500
C 6	Quartz dish, big	0000355100
C 710.2	Set of VA combustion crucibles, big, 25 pcs.	0001483500
C 9	Gelatine capsules, 100 pcs.	0000749900
C 10	Acetobutyrate capsules, 100 pcs.	0000750000
C 12	Combustion bags, 40 × 35 mm, 100 pcs.	0002201400
C 12 A	Combustion bags, 70 × 40 mm, 100 pcs.	0002201500
C 15	Parafilm strips	0003131100
C 16	Parafilm, 1000 × 50 mm	0003801100
C 17	Paraffin, liquid, 30 ml	0003801200
C 43	Benzoic acid, NIST 39j, 30 g	0000750600
C 723	Benzoic acid, blister package, 50 pcs.	0003243000
C 723 Big Pack	Benzoic acid, blister package, 450 pcs.	0003717400
AOD 1.11	Control standard oil for S, Cl, 50 ml	0003044000

Product	Description	Ident. No.
CONSUMABLES C 200, C 2000, C 5000, C 7000		
C 5010.3	Ignition wire, spare, 5 pcs.	0007122800
C 5012.3	Ignition wire, spare, 5 pcs.	0002994900
C 14	Combustible crucibles, 100 pcs.	0007224500

AOD 1.2

AOD 1.1

AOD 1.3

Product	Description	Ident. No.
ACCESSORIES AOD 1		
AOD 1.1	Decomposition vessel	0003303000
AOD 1.2	External ignition unit	0003348000
AOD 1.3	Protection device	0003308000
AOD 1.13	Remote ignition head	0003348100
C 48	Oxygen station	0001560000
C 7030	Venting station	0003013300
C 21	Pelleting press	0001605300
C 29	Pressure gauge, oxygen	0000750200
C 5010.4	Attachment for combustible crucible C 14	0003016900

Product	Description	Ident. No.
CONSUMABLES AOD 1		
C 4	Quartz dish	0001695500
C 9	Gelatine capsules, 100 pcs.	0000749900
C 10	Acetobutyrate capsules, 100 pcs.	0000750000
C 12	Combustion bags, 40 × 35 mm, 100 pcs.	0002201400
C 12 A	Combustion bags, 70 × 40 mm, 100 pcs.	0002201500
C 14	Combustible crucibles, 100 pcs.	0007224500
C 15	Parafilm strips	0003131100
C 5012.3	Ignition wire, platinum, 2 pcs.	0002994900
C 710.4	Cotton thread, cut to length, 500 pcs.	0001483700
AOD 1.11	Control standard oil for S, Cl, 50 ml	0003044000
C 723	Benzoic acid, blister package, 50 pcs.	0003243000
C 723 Big Pack	Benzoic acid, blister package, 450 pcs.	0003717400

C 6040 Calwin

Ident. No. 0004040500*

* Connection cable C 5041.10 and USB / RS 232
  adapter are included with the delivery

MECHANICAL ACCESSORIES

R 200

R 270

RH 5

LABLIFT m

Product	Description	Ident. No.
FIXING ELEMENTS		
H 44	Boss head clamp	0002437700
R 200	Clamp for T 10 basic and R 104	0003372000
R 182	Boss head clamp, clamping range Ø 6 – 16 mm	0002657700
R 270	Boss head clamp, clamping range Ø 25 – 36 mm	0002657800
R 271	Boss head clamp, clamping range Ø 34 mm	0002664000
R 350	Universal clamp	0001752900
RH 3	Strap clamp for stand Ø 8 – 16 mm	0003008600
RH 5	Strap clamp for stand Ø 25 – 36 mm	0003159000
LABLIFT m	Manual scissor lift	0004022400

Product	Description	Ident. No.
STANDS		
R 104	Stand for T 10 basic, H 370 mm	0003386000
R 1825	Plate stand, H 560 mm	0003160000
R 1826	Plate stand, H 800 mm	0003160100
R 1827	Plate stand, H 1000 mm	0003160200
R 2722	H-stand, 1010 mm	0001412000
IKA [scale]	Stand with an integrated scale	0025004318
R 2723	Telescopic stand, H 620 – 1010 mm	0001412100
T 653	Telescopic stand, H 1200 mm	0001608000
R 474	Telescopic stand, H 1200 mm	0001643000
R 472	Floor stand, H 2020 mm	0000738700
R 2850	Floor stand, H 1900 mm	0020002900
R 6547 H	Floor stand, hydraulic	0020018378
R 6547.1	Container clamping device for R 6547 H / E floor stand	0020018383

R 6547 H

R 104

R 1825

R 2722

R 2723

R 474

R 2850

ALMEMO 2490

PT 100.23

Product	Description	Ident. No.
ELECTRONIC ACCESSORIES		
ALMEMO 2490	Temperature measuring instrument	0004709300
R 2850.SI	Safety stop	0020010623
IKA [scale]	Stand with weighing function	0025004318
R 6547 E 400V	Floor stand, electrohydraulics	0020018384
ACCESSORIES ALMEMO		
ALMEMO USB cable	USB cable	0004709400
PT 100.23	Temp. sensor, stn. steel	0003122100
PT 100.24	Temp. sensor, stn. steel, coated	0003122200
PT 100.25	Temp. sensor, stn. steel	0003122300

IKA [SCALE]
/// The first stand scale of its kind

Patented:
The IKA [scale] is unique in the market!

A stand with an integrated scale and data interface: only available from IKA. The IKA [scale] provides increased comfort and safety for your laboratory applications. For example, your stirrer can hang on the stable support rod. The quantities of samples to be added are weighed immediately and continuously documented during the stirring process.

SAMPLE WEIGHT OF UP TO 6 KG
The intelligent stand scale has a weighing range of up to 6 kg with a resolution of 1 g. It is therefore particularly suitable for the direct and controlled addition of sample material while stirring.

CLEAR DISPLAY
Working with the clear and modern LCD display is very user-friendly. All information, whether measurement values, calibration steps or status messages, is shown clearly.

STABLE SET-UP PLATE
The solid die cast zinc housing provides stability and robustness.

BLUETOOTH CONNECTION
The weight of the sample measured can directly be transferred to a suitable device (e.g. IKA MINI-/ MICROSTAR series) and shown on its display.

IKA PACKAGES

C-MAG HS 7 Package

Product	Description	Ident. No.
MAGNETIC STIRRER PACKAGE		
C-MAG HS 7 Package		0009015900
C-MAG HS 7	Magnetic stirrer with heating, ceramic plate	0003581200
ETS-D5	Electronic contact thermometer	0003378000
H 38	Holding rod	0003547700
H 44	Boss head clamp	0002437700
H 16 V	Support rod	0001545100
DISPERSER PACKAGE		
T 18 digital Package		0009022800
T 18 digital	Disperser	0003720000
S 18 N - 19 G	Dispersing tool	L004640
MILL PACKAGE		
MultiDrive basic M 20 Successor Package		0010005902
MultiDrive basic	Universal crusher	0025007800
MI 250	Milling chamber	0025003967

T 18 digital Package

MultiDrive basic M 20 Successor Package

ICC basic eco 8

ICC control pro 9

ICC basic eco 18

ICC control pro 20

Product	Description	Ident. No.
HEATING BATH CIRCULATORS		
ICC basic eco 8 Package*		0008034900
ICC basic	Compact immersion circulator	0004134400
IB eco 8	Bath vessel, plastic	0004248100
ICC control eco 8 Package*		0008035300
ICC control	Compact immersion circulator	0004136600
IB eco 8	Bath vessel, plastic	0004248100
ICC basic pro 9 Package*		0008035100
ICC basic	Compact immersion circulator	0004134400
IB pro 9	Bath vessel, stainless steel	0004248500
ICC control pro 9 Package*		0008035500
ICC control	Compact immersion circulator	0004136600
IB pro 9	Bath vessel, stainless steel	0004248500
ICC basic pro 12 Package*		0010000414
ICC basic	Compact immersion circulator	0004134400
IB pro 12	Bath vessel, stainless steel	0004577500
ICC control pro 12 Package*		0010000415
ICC control	Compact immersion circulator	0004136600
IB pro 12	Bath vessel, stainless steel	0004577500
ICC basic eco 18 Package*		0008035000
ICC basic	Compact immersion circulator	0004134400
IB eco 18	Bath vessel, plastic	0004248200
ICC control eco 18 Package*		0008035400
ICC control	Compact immersion circulator	0004136600
IB eco 18	Bath vessel, plastic	0004248200
ICC basic pro 20 Package*		0008035200
ICC basic	Compact immersion circulator	0004134400
IB pro 20	Bath vessel, stainless steel	0004248600
ICC control pro 20 Package*		0008035600
ICC control	Compact immersion circulator	0004136600
IB pro 20	Bath vessel, stainless steel	0004248600

* Bath bridge included in delivery
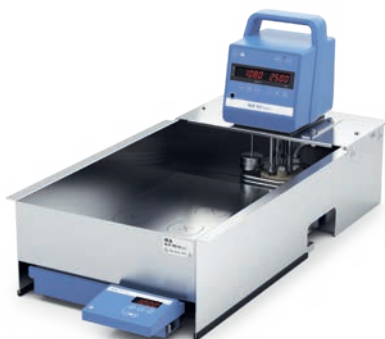
IKA PACKAGES
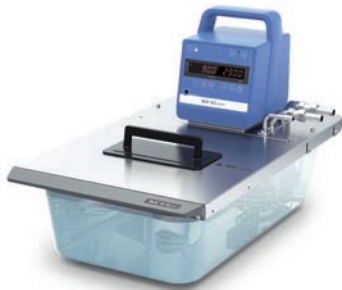
ICC basic eco 8 c

ICC basic eco 8 c

ICC basic pro 12 c

ICC control pro 20 c

Product	Description	Ident. No.
COMBINED HEATING BATH CIRCULATORS		
ICC basic eco 8 c Package*		0008035700
ICC basic	Compact immersion circulator	0004134400
IB eco 8	Bath vessel, plastic	0004248100
ICC control eco 8 c Package*		0008036100
ICC control	Compact immersion circulator	0004136600
IB eco 8	Bath vessel, plastic	0004248100
ICC basic pro 9 c Package*		0008035900
ICC basic	Compact immersion circulator	0004134400
IB pro 9	Bath vessel, stainless steel	0004248500
ICC control pro 9 c Package*		0008036300
ICC control	Compact immersion circulator	0004136600
IB pro 9	Bath vessel, stainless steel	0004248500
ICC basic pro 12 c Package*		0010000416
ICC basic	Compact immersion circulator	0004134400
IB pro 12	Bath vessel, stainless steel	0004577500
ICC control pro 12 c Package*		0010000417
ICC control	Compact immersion circulator	0004136600
IB pro 12	Bath vessel, stainless steel	0004577500
ICC basic eco 18 c Package*		0008035800
ICC basic	Compact immersion circulator	0004134400
IB eco 18	Bath vessel, plastic	0004248200
ICC control eco 18 c Package*		0008036200
ICC control	Compact immersion circulator	0004136600
IB eco 18	Bath vessel, plastic	0004248200
ICC basic pro 20 c Package*		0008036000
ICC basic	Compact immersion circulator	0004134400
IB pro 20	Bath vessel, stainless steel	0004248600
ICC control pro 20 c Package*		0008036400
ICC control	Compact immersion circulator	0004136600
IB pro 20	Bath vessel, stainless steel	0004248600

* Bath bridge, cover, pump connection set and cooling coil are included in delivery

IC control IB R RO 15 eco

ICC basic IB R RO 15 pro

ICC control pro 9

IC control pro 20 c

Product	Description	Ident. No.
PACKAGES WITH MAGNETIC STIRRER		
ICC basic IB R RO 15 eco Package		0010002471
ICC basic	Compact immersion circulator	0004134400
IB R RO 15 eco	Bath vessel, plastic	0020006341
BL.ICC	Bath bridge	0020003078
RO 15	Multiposition magnetic stirrer	0003692500
ICC control IB R RO 15 eco Package		0010002474
ICC control	Compact immersion circulator	0004136600
IB R RO 15 eco	Bath vessel, plastic	0020006341
BL.ICC	Bath bridge	0020003078
RO 15	Multiposition magnetic stirrer	0003692500
ICC basic IB R RO 15 pro Package		0010006740
ICC basic	Compact immersion circulator	0004134400
IB R RO 15 pro	Bath vessel, stainless steel	
BL.ICC	Bath bridge	0020003078
RO 15	Multiposition magnetic stirrer	0003692500
ICC control IB R RO 15 pro Package		
ICC control	Compact immersion circulator	0004136600
IB R RO 15 pro	Bath vessel, stainless steel	
BL.ICC	Bath bridge	0020003078
RO 15	Multiposition magnetic stirrer	0003692500
IMMERSION CIRCULATOR IC PACKAGES		
IC basic pro 12 c Package*		0008039900
IC basic	Immersion circulator	0003861000
IB pro 12	Bath vessel, stainless steel	0004577500
CM.IC	Cover	0004577600
IC control pro 12 c Package*		0008040000
IC control	Immersion circulator	0003863000
IB pro 12	Bath vessel, stainless steel	0004577500
CM.IC	Cover	0004577600
IC basic pro 20 c Package*		0008036800
IC basic	Immersion circulator	0003861000
IB pro 20	Bath vessel, stainless steel	0004248600
CM.IC	Cover	0004577600
IC control pro 20 c Package*		0008037200
IC control	Immersion circulator	0003863000
IB pro 20	Bath vessel, stainless steel	0004248600
CM.IC	Cover	0004577600

* Bath bridge and cooling coil are included in delivery

IKA PACKAGES

RV 3 V-C

RV 8 V-C

Product	Description	Ident. No.
ROTARY EVAPORATOR PACKAGES		
RV 3 V Package		0010003324
RV 3	Drive	0020015793
HB eco	Heating bath	0025004726
RV 10.1	Set of glassware, vertical	0003655300
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 3 V-C Package		0010003328
RV 3	Drive	0020015793
HB eco	Heating bath	0025004726
RV 10.10	Set of glassware, vertical, coated	0003755400
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 3 FLEX Package		0010003331
RV 3	Drive	0020015793
HB eco	Heating bath	0025004726
RV 05.10	Balljoint clamp	0000736600
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10.88	Clamp, NS 29	0003683300
RV 8 V Package		0010003482
RV 8	Drive	0025002822
HB digital	Heating bath	0020004009
RV 10.1	Set of glassware, vertical	0003655300
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 8 V-C Package		0010003485
RV 8	Drive	0025002822
HB digital	Heating bath	0020004009
RV 10.10	Set of glassware, vertical, coated	0003755400
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 8 FLEX Package		0010003488
RV 8	Drive	0025002822
HB digital	Heating bath	0020004009
RV 05.10	Balljoint clamp	0000736600
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10.88	Clamp, NS 29	0003683300

RV 8 dry ice condensor

RV 10 digital dry ice condensor C

Product	Description	Ident. No.
ROTARY EVAPORATOR PACKAGES*		
RV 3 dry ice condensor		0010006363
RV 3	Drive	0020015793
HB eco	Heating bath	0025004726
RV 10.84	Evaporation flask (NS 29/32, 1000 ml)	0003740500
RV 10.4	Dry ice condenser	0003742000
RV 10.102	Receiving flask (KS 35/20, 500 ml)	0003742400
RV 3 dry ice condensor C		0010006362
RV 3	Drive	0020015793
HB eco	Heating bath	0025004726
RV 10.40	Dry ice condenser, coated	0003742100
RV 10.203	Receiving flask, coated (KS 35/20, 1000 ml)	0003743500
RV 10.84	Evaporation flask	0003740500
RV 8 dry ice condensor		0010006361
RV 8	Drive	0025002822
HB digital	Heating bath	0020004009
RV 10.84	Evaporation flask (NS 29/32, 1000 ml)	0003740500
RV 10.4	Dry ice condenser	0003742000
RV 10.102	Receiving flask (KS 35/20, 500 ml)	0003742400
RV 8 dry ice condensor C		0010006360
RV 8	Drive	0025002822
HB digital	Heating bath	0020004009
RV 10.40	Dry ice condenser, coated	0003742100
RV 10.203	Receiving flask, coated (KS 35/20, 1000 ml)	0003743500
RV 10.84	Evaporation flask (NS 29/32, 1000 ml)	0003740500
RV 10 digital dry ice condensor		0010006365
RV 10 digital	Drive	0003550099
HB digital	Heating bath	0020004009
RV 10.84	Evaporation flask (NS 29/32, 1.000 ml)	0003740500
RV 10.4	Dry ice condenser	0003742000
RV 10.102	Receiving flask (KS 35/20, 500 ml)	0003742400
RV 10 digital dry ice condensor C		0010006364
RV 10 digital	Drive	0020015793
HB digital	Heating bath	0020004009
RV 10.40	Dry ice condenser, coated	0003742100
RV 10.203	Receiving flask, coated (KS 35/20, 1000 ml)	0003743500
RV 10.84	Evaporation flask	0003740500

*Balljoint clamp, clamp NS 29 and vapor tube NS 29/32 included in dry ice packages

IKA PACKAGES

RV 10 digital V-C

RV 10 auto V-C

Product	Description	Ident. No.
ROTARY EVAPORATOR PACKAGES		
RV 10 digital V Package		0010004799
RV 10 digital	Drive	0003550099
HB digital	Heating bath	0020004009
RV 10.1	Set of glassware, vertical	0003655300
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10 digital V-C Package		0010004802
RV 10 digital	Drive	0003550099
HB digital	Heating bath	0020004009
RV 10.10	Set of glassware, vertical, coated	0003755400
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10 digital FLEX Package		0010004805
RV 10 digital	Drive	0003550099
HB digital	Heating bath	0020004009
RV 05.10	Balljoint clamp	0000736600
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10.88	Clamp, NS 29	0003683300
RV 10 auto V Package		0010004835
RV 10 auto	Drive	0020003919
HB digital	Heating bath	0020004009
RV 10.1	Set of glassware, vertical	0003655300
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10.4002	Magnetic valve laboratory vacuum	0003880300
RV 10 auto V-C Package		0010004838
RV 10 auto	Drive	0020003919
HB digital	Heating bath	0020004009
RV 10.10	Set of glassware, vertical, coated	0003755400
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10.4002	Magnetic valve laboratory vacuum	0003880300
RV 10 auto FLEX Package		0010004841
RV 10 auto	Drive	0020003919
HB digital	Heating bath	0020004009
RV 05.10	Balljoint clamp	0000736600
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10.88	Clamp, NS 29	0003683300
RV 10.4002	Magnetic valve laboratory vacuum	0003880300

Product	Description	Ident. No.
ROTARY EVAPORATOR PACKAGES		
RV 10 auto pro V Package		0010004815
RV 10 auto	Drive	0020003919
VACSTAR digital	Pump with analog connection	0020016236
HB digital	Heating bath	0020004009
RV 10.1	Set of glassware, vertical	0003655300
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10 auto pro V-C Package		0010004812
RV 10 auto	Drive	0020003919
VACSTAR digital	Pump with analog connection	0020016236
HB digital	Heating bath	0020004009
RV 10.10	Set of glassware, vertical, coated	0003755400
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10 auto pro FLEX Package		0010004818
RV 10 auto	Drive	0020003919
VACSTAR digital	Pump with analog connection	0020016236
HB digital	Heating bath	0020004009
RV 05.10	Balljoint clamp	0000736600
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10.88	Clamp, NS 29	0003683300

RV 10 auto pro V-C

IKA PACKAGES

C 1

C 200 auto

Product	Description	Ident. No.
CALORIMETER PACKAGES		
C 1 Package 1/10 Package		0010005657
C 1	Calorimeter	0020010860
C 1.10	Combustion chamber	0004500300
RC 2 basic	Recirculating chiller	0020015693
C 1 Package 2/10 Package		0010005658
C 1	Calorimeter	0020010860
C 1.10	Combustion chamber	0004500300
C 1 Package 3/10 Package		0010005659
C 1	Calorimeter	0020010860
C 1.10	Combustion chamber	0004500300
C 1.20	Water heater	0020012603
C 1 Package 1/12 Package		0010005636
C 1	Calorimeter	0020010860
C 1.12	Combustion chamber, halogen resistant	0004500400
RC 2 basic	Recirculating chiller	0020015693
C 1 Package 2/12 Package		0010005661
C 1	Calorimeter	0020010860
C 1.12	Combustion chamber, halogen resistant	0004500400
C 1 Package 3/12 Package		0010005638
C 1	Calorimeter	0020010860
C 1.12	Combustion chamber, halogen resistant	0004500400
C 1.20	Water heater	0020012603
C 200 auto Package		0010002379
C 200	Measurement cell	0003385000
RC 2 basic	Recirculating chiller	0020015693
C 200.RC	Set of hoses	0020010835
C 5010	Decomposition vessel	0007114000
C 248	Oxygen filling station	0003520000
C 200 h auto Package		0010002387
C 200	Measurement cell	0003385000
RC 2 basic	Recirculating chiller	0020015693
C 200.RC	Set of hoses	0020010835
C 5012	Decomposition vessel, halogen resistant	0007215000
C 200.2	Conversion kit	0004028800
C 248	Oxygen filling station	0003520000

C 6000

Product	Description	Ident. No.
CALORIMETER PACKAGES		
C 6000 global standards Package 1/10		0010004520
C 6000 global standards	Measurement cell	0020005930
C 6010	Decomposition vessel, standard	0003770000
RC 2 basic	Recirculating chiller	0020015693
C 6000 global standards Package 1/12		0010004521
C 6000 global standards	Measurement cell	0020005930
C 6012	Decomposition vessel, halogen resistant	0004504000
RC 2 basic	Recirculating chiller	0020015693
C 6000 global standards Package 2/10		0010004522
C 6000 global standards	Measurement cell	0020005930
C 6010	Decomposition vessel, standard	0003770000
C 6000 global standards Package 2/12		0010004523
C 6000 global standards	Measurement cell	0020005930
C 6012	Decomposition vessel, halogen resistant	0004504000
C 6000 isoperibol Package 1/10		0010004524
C 6000 isoperibol	Measurement cell	0020005940
C 6010	Decomposition vessel, standard	0003770000
RC 2 basic	Recirculating chiller	0020015693
C 6000 isoperibol Package 1/12		0010004525
C 6000 isoperibol	Measurement cell	0020005940
C 6012	Decomposition vessel, halogen resistant	0004504000
RC 2 basic	Recirculating chiller	0020015693
C 6000 isoperibol Package 2/10		0010004526
C 6000 isoperibol	Measurement cell	0020005940
C 6010	Decomposition vessel, standard	0003770000
C 6000 isoperibol Package 2/12		0010004527
C 6000 isoperibol	Measurement cell	0004025000
C 6012	Decomposition vessel, halogen resistant	0004504000

IKA PACKAGES

C 7000

ROTAVISC me-vi Complete

Rotavisc hi-vi I HELI Complete

Product	Description	Ident. No.
CALORIMETER PACKAGES		
C 7000 Set 1 Package		0008800900
C 7000	Measurement cell	0003008000
C 7010	Decomposition vessel, standard	0003015000
C 7002	Cooling system	0007011000
C 48	Oxygen station	0001560000
C 7000 Set 2 Package		0008801400
C 7000	Measurement cell	0003008000
C 7012	Decomposition vessel, halogen resistant	0003017000
C 7002	Cooling system	0007011000
C 48	Oxygen station	0001560000
VISCOMETER Packages*		
ROTAVISC lo-vi Complete Package		0025000310
ROTASTAND		0020006787
ROTAVISC me-vi Complete Package		0025000311
ROTASTAND		0020006787
ROTAVISC hi-vi I Complete Package		0025000312
ROTASTAND		0020006787
ROTAVISC hi-vi II Complete Package		0025000313
ROTASTAND		0020006787
VISCOMETER Packages* HELISTAND		
ROTAVISC lo-vi HELI Complete Package		0020100361
HELISTAND		0020100262
ROTAVISC me-vi HELI Complete Package		0020100362
HELISTAND		0020100262
ROTAVISC hi-vi I HELI Complete Package		0020100363
HELISTAND		0020100262
ROTAVISC hi-vi II HELI Complete Package		0020100364
HELISTAND		0020100262

*ROTAVISC packages include:
 SP 1-4 (lo-vi) / SP 7-12 (me-vi, hi-vi I, hi-vi II), protective bracket, temperature sensor

ElectraSyn 2.0

Screening System

Product	Description	Ident. No.
ELECTROCHEMISTRY PACKAGES		
ElectraSyn 2.0 Package		0020008980
ElectraSyn 2.0	Base unit	0020001549
Vial holder		0020014424
Vial	10 ml	0020014424
Stir plate attachment		0040001991
Electrode Graphite	2 pcs.	0040002574
ElectraSyn 2.0 pro Package		0040003261
ElectraSyn 2.0	Base unit	0020001549
Vial holder		0020014424
Vial	10 ml	0020014424
Stir plate attachment		0040001991
Electrode Graphite	2 pcs.	0040002574
CV glassy carbon	Electrodes	0040002066
CV Platinum	Electrodes	0040002569
Ag / AgCl	Silver reference electrode	0040003172
Screening System Package (6 divided cells)		0040003631
Reaction block		0020015936
Electrolysis cells		0040001849
IKA Plate (RCT digital)	Magnetic stirrer, including PT 1000 temperature sensor	0020014903
Electrode graphite	16 pcs.	0040001850
Screening System Package (8 undivided cells)		0040003642
Reaction block		0020015943
Electrolysis cells		0040001849
IKA Plate (RCT digital)	Magnetic stirrer, including PT 1000 temperature sensor	0020014903
Electrode graphite	16 pcs.	0040001850

SERVICE PLUS FROM IKA
/// We adapt to your requirements

/// PRODUCT MODIFICATIONS

If you can't find exactly what you are looking for, get in touch with the IKA Customizing Center. Our team will check how we can fulfill your product requirements using customized solutions. For further information and examples of implemented product change requests, please contact **sales-lab@ika.kr**

/// APPLICATION SUPPORT

You can test all of the laboratory equipment yourself at the IKA Application Center. Our experts will analyze your processes and work with you to decide how to optimize your application.

Application Center
Our Application Center shows the latest laboratory equipment over an area of 400 m².
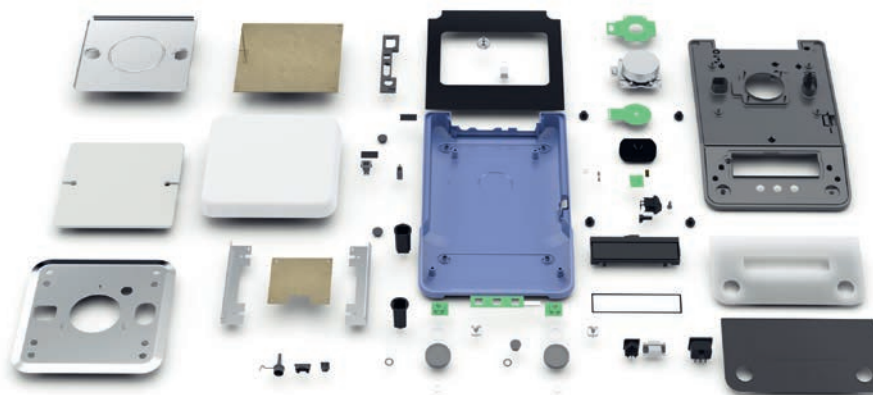
Equipment tests
The Application Team provides support with customized testing of equipment and processes.

Sample analysis and application recommendation
We also process samples sent in to us and give you a report on the results with application recommendations within a period of two working days.

/// WORLDWIDE SERVICE

Your decision to use a product from IKA is also a decision to opt for the excellent technical service provided by IKA in your region. Our team is at your disposal worldwide for service questions. Replacement parts for your IKA laboratory equipment are guaranteed for 10 years.

/// IKA WARRANTIES

IKA offers generous free warranty extensions if you register your product at **www.ika.com/register** directly after purchase. You can normally benefit from a year of additional services (2 + 1). With some equipment we even guarantee several years of warranty extensions:

> Rotary evaporators and KS 4000 incubation shakers: warranty extension for three years (2 + 3).
> Viscometers and ElectraSyn 2.0: extension by a full eight years (2 + 8)!
> For pipettes and calorimeters: a one year warranty plus an additional year following registration (1 + 1).

The free warranty extension can be acquired in just a few clicks at www.ika.com/register.

USA

Brazil
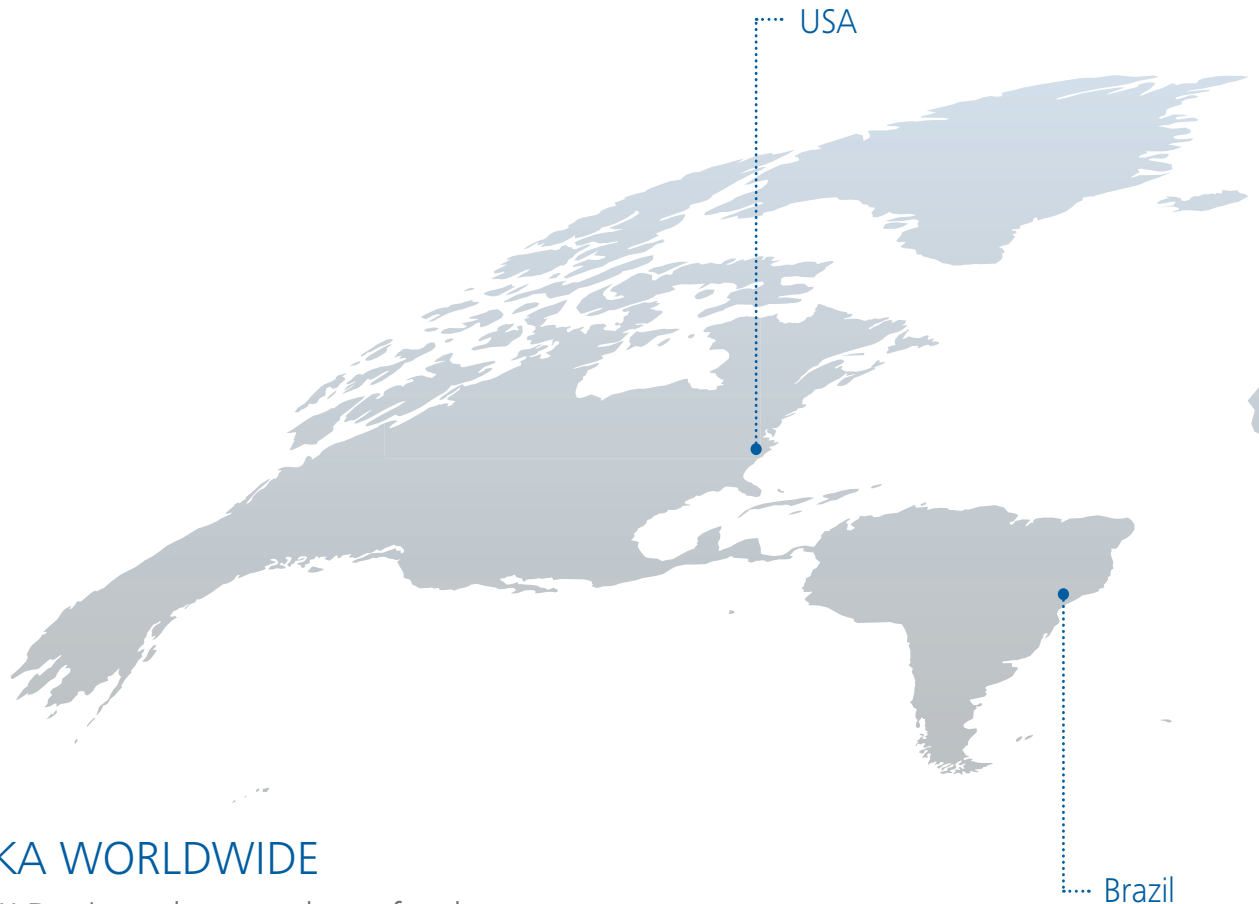
IKA WORLDWIDE
/// Designed to work perfectly

IKA develops and manufactures the most modern solutions for laboratories and for the process industry. In order to make our customers' work even more successful, we combine the latest technology with innovative design and we look far into the future. Our products are prepared accordingly for integration in your digital laboratory.

We are a responsibility-aware family company, whilst also being a global player. Over 900 employees make a contribution each and every day to extending our world-leading market position in laboratory, analytical and processing technology.

In our headquarters in Staufen, we have been developing our products and technologies with the collaboration of application experts from the fields of science and industry for over 70 years. From there, they are sold to more than 160 countries. Excellent local service is also provided by our own subsidiaries in the USA, China, Japan, India, Brazil, Korea, Vietnam, the United Kingdom and Poland.

Germany

China

Poland

India

United Kingdom

Japan

Malaysia

Korea

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111 Years IKA