

IKA®

Shakers



German technology
made in the USA

3D Shakers | World in motion!

For over a century, IKA® has been leading the way with innovative technologies and applications in the field of laboratory, analytical and process equipment.

In 1925, IKA® first produced the conventional shaker and displayed this entire product line at ACHEMA. To give our loyal customers a leading edge, IKA® has ensured that new product innovation has been introduced time and time again. And once again, IKA® has completely revamped its' shaker line by incorporating advanced technology with unique designs. As always, we continue our 100 year old tradition of bringing design, innovation, ease of use and commitment to our customers!

IKA® already has a line of well known and proven orbital and horizontal shakers. IKA® is proud to introduce a brand new series of Rollers, Rockers and Overhead Rotators. The wide range of Rocking, Rolling, Rotating and Shaking covers the entire spectrum of motions in mixing technology. All new devices are available in a basic and digital version. IKA® has also added a sibling to its' voluminous incubator shaker KS 4000 i control and ic control. The expanded product range facilitates the use of our equipment in a wider range of applications, especially in the medical and biological field. The hallmark of IKA®, exceptional design, innovation, quality, high efficiency, smooth operation and excellent performance continues as it has for 100 years!



3 Year warranty*

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


Protection class according to DIN EN 60529: IP 21





2D & 3D Rockers | Enhanced dimensions, Smaller footprints!


2D & 3D Rockers accessories




 Touch keypad for easy operation


 Three-dimensional tumbling rocking/see-saw motion

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

 Two-dimensional rocking/see-saw motion

 2+1 Year warranty*
2+1 years after registering at www.ika.com/register

 Timer display for accurate and reproducible conditions

 Dual platform option expands workspace



The brand new range of 2D and 3D Rockers provide gentle rocking/see-saw action and are used for homogenous mixing in flasks, culture flasks, Petri dishes and tubes. The compact, small footprint and dual platform saves valuable bench space and facilitates easy-handling. Even with load and voltage fluctuations, shaking speeds remain constant. Precision in speed (available in fixed and variable) and adjustable tilt angle allow for a variety of applications.



TB 1 Tray
28 x for tubes 5 ml, Ø 12 mm

②

Ident. No. 4532200

\$ 43



TB 2 Tray
16 x for tubes 15 ml, Ø 16 mm "standard 15 ml tubes"

Ident. No. 4532300

\$ 43

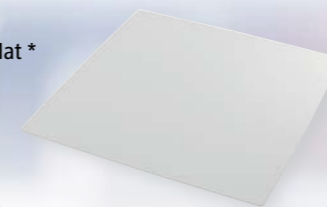


RD 1 Mat *

Ident. No. 4532000

\$ 13

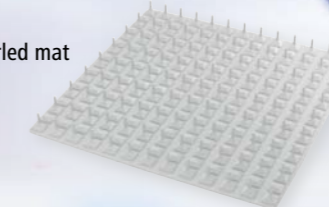
* Included in the delivery.



RD 2 Burled mat

Ident. No. 4532100

\$ 17



TB 3 Tray

14 x for tubes 30 ml, Ø 25 mm "standard 30 ml tubes"

Ident. No. 4532400

\$ 43

①



IKA+

Special universal mat available to accommodate various kinds of vessels for maximum flexibility!

A 2 Second level attachment

For use with Rocker 2D, 3D basic and digital

Ident. No. 4581700

\$ 76



TB 4 Tray

10 x for tubes 30 ml, Ø 28 mm "standard 50 ml tubes"

Ident. No. 4532500

\$ 43



Rollers | Smart and safe mixing!



Timer display for accurate and reproducible conditions



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



2+1 years after registering at www.ika.com/register



Touch keypad for easy operation



Gentle mixing applications demand smooth rocking and rolling action. Our 6 and 10 Rollers, operated at fixed and infinitely adjustable speed deliver this requirement efficiently. Easily removable attachments provide for quick cleaning in case of sample spills. Removable rollers allow for the use of larger tubes. Truly, a Rock n' Roll experience in the laboratory!

Rocking and Rolling action

IKA+



Rollers | Accessories



IKA+

Easily removable rolls allow the use of larger tubes.

① SH Shield*

Ident. No.
4013500


* Included in the delivery.




Loopster | Spin your Loop!





Timer Display
Timer display for accurate and reproducible conditions

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

 90° 90 degree adjustable mixing angle

 2+1 years after registering at www.ika.com/register
Year warranty*











 Touch keypad for easy operation

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



Rotate your samples smoothly and effectively, at fixed or infinitely variable speeds with freely adjustable rotary angles. Ideal for biological samples, particularly blood samples and also suitable for separating and mixing of powdered and liquid samples in multiple tube sizes as large as 50 ml conical tubes. Easily removable attachments provide for quick cleaning in case of sample spills.

Loopster | Accessories

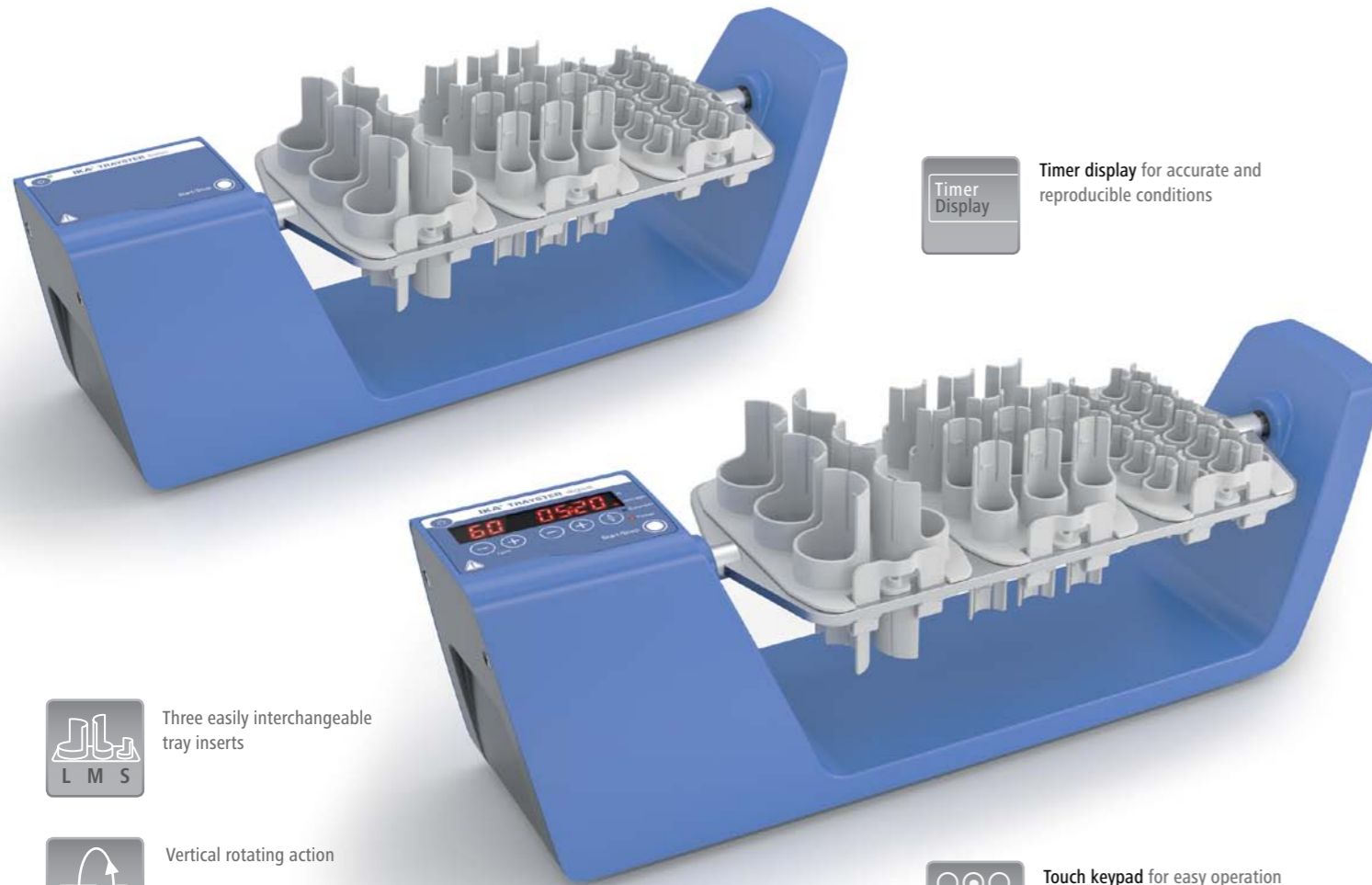
- | | | |
|---|---|---|
|  Ident. No. 4524000 | DS 1 Tube attachment 48 x 1.5 ml microcentrifuge tubes; Ø 10 mm \$ 165 |  Ident. No. 4524600 DS 6.1 Spare clips 48 x 1.5 ml, Ø 10 mm, 10 pieces \$ 7 |
|  Ident. No. 4524100 | DS 2 Tube attachment 24 x 5 ml tubes, Ø 12 mm \$ 165 |  Ident. No. 4524700 DS 6.2 Spare clips 24 x 5 ml tubes, Ø 12 mm, 10 pieces \$ 7 |
|  Ident. No. 4524200 | DS 3 Tube attachment 20 x 15 ml centrifuge tubes, Ø 16 mm \$ 165 |  Ident. No. 4524800 DS 6.3 Spare clips 20 x 15 ml, Ø 16 mm, 10 pieces \$ 7 |
|  Ident. No. 4524300 | DS 4 Tube attachment 12 x 30 ml, Ø 25 mm \$ 165 |  Ident. No. 4524900 DS 6.4 Spare clips 12 x 30 ml, Ø 25 mm, 10 pieces \$ 7 |
|  Ident. No. 4524400 | DS 5 Tube attachment 12 x 50 ml centrifuge tubes, Ø 28 mm \$ 165 |  Ident. No. 4525000 DS 6.5 Spare clips 12 x 50 ml, Ø 28 mm, 10 pieces \$ 7 |



DS 6 Universal disc*
Single tube attachment for holding five different kinds of tubes for greater versatility.
Ident. No. 4524500
\$ 136
* Not included in the delivery.

IKA+
To get customized and additional accessories, please visit www.ika.com/service

Trayster | Swirl your way to perfect mixing!



Timer Display
Timer display for accurate and reproducible conditions

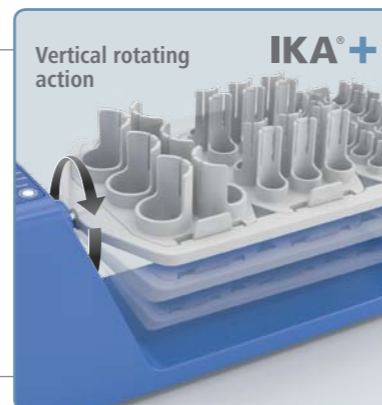
L M S
Three easily interchangeable tray inserts

Vertical rotating action

2+1
Year warranty*
2+1 years after registering at www.ika.com/register

Touch keypad for easy operation

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



Overhead shakers with vertical rotating action for smooth and effective mixing at fixed or infinitely adjustable speed. Ideal for biological samples, particularly blood and suitable for the separating and mixing of powdered and liquid samples in tubes of up to 50 ml. Easily removable attachments provide for quick cleaning in case of sample spills.

Trayster | Accessories

TR 1 Tube insert
24 x 1.5 ml microcentrifuge tubes; Ø 10 mm
Ident. No. 4525100 \$ 48

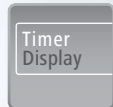
TR 2 Tube insert
24 x 5 ml tubes, Ø 12 mm
Ident. No. 4525200 \$ 48

TR 3 Tube insert
12 x 15 ml centrifuge tubes, Ø 16 mm
Ident. No. 4525300 \$ 48

TR 4 Tube insert
6 x 50 ml centrifuge tubes, Ø 28 mm
Ident. No. 4525400 \$ 48

* All the above accessories not included in the delivery.

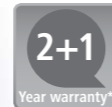
Incubator shakers | KS 3000 i / ic control



Large LED display for speed, temperature and timer



Assure highly accurate temperature control



2+1 years after registering at www.ika.com/register



Built-in cooling coil for connection to an external cooling unit (available only for KS 3000 ic control)



USB interface to control and document all parameters using labworldsoft® software and for updating your firmware



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



The KS 3000 series is the latest addition to the incubator shaker family. These sleek, compact, high-performance shakers are designed for safe, unattended operation in a temperature-controlled environment. Additionally, KS 3000 ic control is equipped with a built-in cooling coil for connection to an external cooling unit. Precise temperature control makes the incubator shaker a reliable asset in every lab, ensuring quiet, vibration-free and reliable operation - an excellent device for controlled mixing!



Accessories | KS 3000 i / ic control

| AS 260.1 | |
|------------------------|--------------------|
| Dimensions (W x D x H) | 425 x 335 x 135 mm |
| Set-up plate | 320 x 320 mm |
| Weight | 1600 g |



Ident. No. 8017400 **\$ 226**

AS 260.1 Universal attachment

For various types of vessels. Infinitely variable clamping rolls allow universal adaptation to the vessels.

Included with delivery:

- 1 x AS 1.60 Basic holder,
- 4 x AS 1.61 Clamping roll,
- 8 x AS 1.5 Fastening screw

| AS 260.3 | |
|------------------------|-------------------|
| Dimensions (W x D x H) | 410 x 370 x 32 mm |
| Set-up plate | 320 x 320 mm |
| Weight | 460 g |



Ident. No. 3120600 **\$ 124**

AS 260.3 Dish attachment

For smooth movement for cell cultures, nutrient media in Petri dishes, culture bottles and vessels with a low center of gravity. With integrated slip-resistant foil (PP).

| STICKMAX | | |
|------------------------------------|--------------|--------|
| Dimensions (W x D x H) | 200 x 200 mm | |
| Permissible ambient temperature | 5 – 80 °C | |
| Max. speed | 300 rpm | |
| Number of adhesive mats per shaker | KS 130 | 1 pcs. |
| | KS/HS 260 | 3 pcs. |
| | KS/HS 501 | 4 pcs. |
| | KS 3000 i | 2 pcs. |
| | KS 4000 i | 4 pcs. |

labworldsoft®

labworldsoft® is a multi-purpose software program for measuring, controlling and regulating laboratory devices.



Ident. No. 4720000 **\$ 453**

| AS 260.2 | |
|---------------------------------|---|
| Dimensions (W x D x H) | 330 x 330 x 24 mm |
| Number of fixing clips (volume) | 56 x AS 2.1 (25 ml) 23 x AS 2.2 (50 ml) 23 x AS 2.3 (100 ml) 11 x AS 2.4 (250 ml) 9 x AS 2.5 (500 ml) 5 x AS 2.6 (1000 ml) |
| Weight | 1290 g |



Ident. No. 3115500 **\$ 159**

AS 260.2 Fixing clip attachment

For shaking flasks, Erlenmeyer flasks and bottles with a round cross-section (without fixing clips).

Accessories:

Fixing clips: AS 2.1, AS 2.2, AS 2.3, AS 2.4, AS 2.5

| AS 260.5 | |
|--|---|
| Dimensions (W x D x H) | 334 x 425 x 145 mm |
| Capacity: (number of separating funnels per volume, pear-shaped) | 6 x 50 ml 5 x 100 ml 3 x 250 ml 3 x 500 ml |
| Weight | 1550 g |



Ident. No. 3120900 **\$ 679**

AS 260.5 Separating funnel attachment

For shaking out, salting out, extracting, eluting and enriching. The 3 clamping rolls (included in delivery) are height-adjustable for adaption to different separating funnel sizes. The separating funnels are secured with O-rings (6 O-rings included).

STICKMAX

Universal adhesive mat for KS 130, KS/HS 260, KS/HS 501, KS 3000 and KS 4000 shakers.



Ident. No. 3920000 **\$ 109**

PC 1.1 Cable

RS-232 cable 2, 9-pin, M/F, 3 m.

Ident. No. 2616700 **\$ 166**

3D Shakers | Technical data



Rocker 2D basic | digital



Rocker 3D basic | digital



Loopster basic | digital

| Technical data | |
|---|---|
| Type of movement | rocking |
| Shaking diameter | 8° (angle) 2.5 – 15° (angle) |
| Permissible shaking weight (incl. attachment) | 2 kg |
| Motor rating input / output | 16 / 9 W |
| Permissible ON time | 100% |
| Speed range | 5 – 80 rpm |
| Speed display | 7 segment LED |
| Timer | no ∞ / 1 s – 99.9 h |
| Timer display | none 7 segment LED |
| Operating mode | continuous operation timer and continuous operation |
| Dimensions (W x D x H) | 280 x 330 x 150 mm |
| Weight | 2.2 kg |
| Permissible ambient temp. | 4 – 50 °C |
| Permissible relative moisture | 80% |
| Protection class acc. to DIN EN 60529 | IP 21 |
| Interface | no |
| Voltage | 100 – 240 V |
| Frequency | 50/60 Hz |
| DC Voltage | 24 V |

Price \$ 687 | \$ 784

Rocker 2D basic: Ident. No. 4002000

Rocker 2D digital: Ident. No. 4003000

Price \$ 844 | \$ 915

Rocker 3D basic: Ident. No. 4000000

Rocker 3D digital: Ident. No. 4001000

Price \$ 556 | \$ 687

Loopster basic: Ident. No. 4015000

Loopster digital: Ident. No. 4016000



Trayster basic | digital



Roller 6 basic | digital



Roller 10 basic | digital

| Technical data | |
|---|---|
| Type of movement | rotating |
| Shaking diameter | vertical or horizontal |
| Permissible shaking weight (incl. attachment) | 2 kg |
| Motor rating input / output | 16 / 9 W |
| Permissible ON time | 100% |
| Speed range | 20 rpm (fixed) 5 – 80 rpm |
| Speed display | none 7 segment LED |
| Timer | no ∞ / 1 s – 99.9 h |
| Timer display | none 7 segment LED |
| Operating mode | continuous operation timer and continuous operation |
| Dimensions (W x D x H) | 460 x 160 x 150 |
| Weight | 1.7 kg |
| Permissible ambient temp. | 4 – 50 °C |
| Permissible relative moisture | 80% |
| Protection class acc. to DIN EN 60529 | IP 21 |
| Interface | no |
| Voltage | 100 – 240 V |
| Frequency | 50/60 Hz |
| DC Voltage | 24 V |

Price

\$ 634 | \$ 719

Trayster basic: Ident. No. 4005000

Trayster digital: Ident. No. 4006000

Price \$ 1,380 | \$ 1,602

Roller 6 basic: Ident. No. 4010000

Roller 6 digital: Ident. No. 4011000

Price \$ 1,634 | \$ 1,916

Roller 10 basic: Ident. No. 4012000

Roller 10 digital: Ident. No. 4013000

Incubator shakers | Technical data



KS 3000 i control | ic control



KS 4000 i control | ic control

| Technical data | |
|---|--------------------------------|
| Type of movement | orbital |
| Orbital diameter | 20 mm |
| Permissible shaking weight (incl. attachment) | 7.5 kg |
| Motor rating input / output | 45 / 10 W |
| Power input | 1120 W |
| Permissible ON time | 100% |
| Speed range | 10 – 500 rpm |
| Speed display | LED |
| Timer | yes |
| Timer display | LED |
| Time setting range | 1 s – 999 h |
| Operating mode | timer and continuous operation |
| Heating temperature range | RT +5 – 80 °C RT -10 – 80 °C |
| Heat output | 1000 W |
| Temperature display | LED |
| Temp. stability (0.2 l H ₂ O; RT 25°C, T = 37°C) | ± 0.1 K |
| Dimensions (W x D x H) | 465 x 430 x 695 mm |
| Weight | 35 kg 37 kg |
| Permissible ambient temperature | 15 – 32 °C |
| Permissible relative moisture | 80% |
| Protection class acc. to DIN EN 60529 | IP 30 |
| Interface | RS 232, USB |
| Voltage | 115 V |
| Frequency | 50/60 Hz |

Price

\$ 4,897 | \$ 6,122

KS 3000 i control: Ident. No. 3940001

KS 3000 ic control: Ident. No. 3940101

Price \$ 7,255 | \$ 7,968

KS 4000 i control: Ident. No. 3510001

KS 4000 ic control: Ident. No. 3510101

Shakers | Technical data

| | | |
|---|---|--|
|  |  |  |
| MS 3 basic digital | lab dancer | VORTEX 3 |
| Technical data | | |
| Type of movement | orbital | orbital |
| Shaking diameter | 4.5 mm | 4 mm |
| Permissible shaking weight (incl. attachment) | 0.5 kg | max. 50 ml (1 test tube) |
| Motor rating input / output | 10 / 8 W | 1.2 / 0.8 W |
| Permissible ON time | 100% | 100% |
| Speed range | 0 – 3000 rpm | 2800 rpm (fixed) |
| Speed display | scale digital | none |
| Timer | no ∞ / 1 s – 999 min | no |
| Timer display | none digital | none |
| Operating mode | continuous / touch operation timer and continuous / touch operation | touch operation |
| Dimensions (W x D x H) | 148 x 205 x 63 mm | 100 x 70 mm (Ø x H) |
| Weight | 2.9 kg | 0.55 kg |
| Permissible ambient temp. | 5 – 40 °C | 5 – 40 °C |
| Permissible relative moisture | 80% | 80% |
| Protection class acc. to DIN EN 60529 | IP 21 | IP 40 |
| Interface | no | no |
| Voltage | 100 – 240 V | 100 – 240 V |
| Frequency | 50/60 Hz | 50/60 Hz |
| Price | \$ 449 \$ 513 | \$ 281 |
| | MS 3 basic: Ident. No. 3617000 | Ident. No. 3365000 |
| | MS 3 digital: Ident. No. 3319000 | |
| | | Ident. No. 3340001 |

| | | |
|---|---|---|
|  |  |  |
| VORTEX 1 | VORTEX 4 basic digital | VXR basic Vibrax® |
| Technical data | | |
| Type of movement | orbital | orbital |
| Shaking diameter | 4.5 mm | 4.5 mm |
| Permissible shaking weight (incl. attachment) | 0.1 kg | 0.5 kg |
| Motor rating input / output | 1.2 / 0.8 W | 10 / 8 W |
| Permissible ON time | 100% | 100% |
| Speed range | 1000 – 2800 rpm | 0 – 3000 rpm |
| Speed display | none | scale digital |
| Timer | no | no ∞ / 1 s – 999 min |
| Timer display | none | no digital |
| Operating mode | touch operation | continuous / touch operation timer and continuous / touch operation |
| Dimensions (W x D x H) | 95 x 110 x 70 mm | 176 x 190 x 63 mm |
| Weight | 4.5 kg | 3 kg |
| Permissible ambient temp. | 5 – 40 °C | 5 – 40 °C |
| Permissible relative moisture | 80% | 80% |
| Protection class acc. to DIN EN 60529 | IP 40 | IP 21 |
| Interface | no | no |
| Voltage | 100 – 240 V | 100 – 240 V |
| Frequency | 50/60 Hz | 50/60 Hz |
| Price | \$ 329 | \$ 474 \$ 513 |
| | Ident. No. 4047700 | VORTEX 4 basic: Ident. No. 4049600 |
| | | VORTEX 4 digital: Ident. No. 4050100 |
| | | Ident. No. 2819001 |

| | | |
|---|---|---|
|  |  |  |
| MTS 2/4 digital Microtiter shaker | KS 130 basic control | KS 260 basic control |
| Technical data | | |
| Type of movement | orbital | orbital |
| Shaking diameter | 3 mm | 4 mm |
| Permissible shaking weight (incl. attachment) | 2 or 4 microtiter plates | 2 kg |
| Motor rating input / output | 35 / 13.2 W | 45 / 10 W |
| Permissible ON time | 100% | 100% |
| Speed range | 0 – 1100 rpm | 80 – 800 rpm |
| Speed display | scale | LED line digital |
| Timer | ∞ / 1 – 99 min | ∞ / 5 – 50 min ∞ / 0 – 9 h 59 min |
| Timer display | digital | LED line digital |
| Operating mode | timer and continuous operation | timer and continuous operation |
| Dimensions (W x D x H) | 185 x 320 x 105 mm | 270 x 316 x 98 mm |
| Weight | 2.7 kg | 8.8 kg |
| Permissible ambient temp. | 5 – 40 °C | 5 – 50 °C |
| Permissible relative moisture | 80% | 80% |
| Protection class acc. to DIN EN 60529 | IP 21 | IP 21 |
| Interface | no | no RS 232 |
| Voltage | 115 V | 115 V |
| Frequency | 50/60 Hz | 50/60 Hz |
| Price | \$ 1,318 | \$ 1,504 \$ 2,278 |
| | Ident. No. 3208001 | KS 130 basic: Ident. No. 2980001 |
| | | KS 130 control: Ident. No. 2980101 |
| | | KS 130 control (without end point positioning): Ident. No. 4278201 |
| | | KS 260 basic: Ident. No. 2980201 |
| | | KS 260 control: Ident. No. 2980301 |
| | | KS 260 control (without end point positioning): Ident. No. 4278401 |

Shakers | Technical data

Accessories | KS 4000 i / ic control



KS 501 digital

Technical data

| | |
|---|--------------------------------|
| Type of movement | orbital |
| Shaking diameter | 30 mm |
| Permissible shaking weight (incl. attachment) | 15 kg |
| Motor rating input / output | 70 / 19 W |
| Permissible ON time | 100% |
| Speed range | 0 – 300 rpm |
| Speed display | digital |
| Timer | ∞ / 1 – 56 min |
| Timer display | digital |
| Operating mode | timer and continuous operation |
| Dimensions (W x D x H) | 505 x 585 x 120 mm |
| Weight | 26 kg |
| Permissible ambient temp. | 5 – 50 °C |
| Permissible relative moisture | 80% |
| Protection class acc. to DIN EN 60529 | IP 21 |
| Interface | no |
| Voltage | 115 V |
| Frequency | 50/60 Hz |

Price \$ 5,546

Ident. No. 2526401



HS 260 basic | control

| | |
|-------------------------------------|--------------------------------|
| reciprocating | reciprocating |
| 20 mm | 30 mm |
| 7.5 kg | 15 kg |
| 45 / 10 W | 70 / 19 W |
| 100% | 100% |
| 20 – 300 rpm 10 – 300 rpm | 0 – 300 rpm |
| LED line digital | digital |
| ∞ / 5 – 50 min ∞ / 0 – 9 h 59 min | ∞ / 1 – 56 min |
| LED line digital | digital |
| timer and continuous operation | timer and continuous operation |
| 360 x 420 x 100 mm | 505 x 585 x 120 mm |
| 8.5 kg 8.8 kg | 26 kg |
| 5 – 50 °C | 5 – 50 °C |
| 80% | 80% |
| IP 21 | IP 21 |
| no RS 232 | no |
| 115 V | 115 V |
| 50/60 Hz | 50/60 Hz |

Price \$ 2,254 | \$ 2,704

HS 260 basic: Ident. No. 3066601
 HS 260 control: Ident. No. 3066701
 HS 260 control (without end point positioning): Ident. No. 4278601



HS 501 digital

| | |
|--------------------------------|--------------------------------|
| reciprocating | reciprocating |
| 30 mm | 30 mm |
| 15 kg | 15 kg |
| 70 / 19 W | 70 / 19 W |
| 100% | 100% |
| 0 – 300 rpm | 0 – 300 rpm |
| digital | digital |
| ∞ / 1 – 56 min | ∞ / 1 – 56 min |
| digital | digital |
| timer and continuous operation | timer and continuous operation |
| 505 x 585 x 120 mm | 505 x 585 x 120 mm |
| 26 kg | 26 kg |
| 5 – 50 °C | 5 – 50 °C |
| 80% | 80% |
| IP 21 | IP 21 |
| no | no |
| 115 V | 115 V |
| 50/60 Hz | 50/60 Hz |

Price \$ 5,421

Ident. No. 2527001

| | |
|------------------------|--------------------|
| AS 4000.1 | |
| Dimensions (W x D x H) | 470 x 447 x 135 mm |
| Set-up plate | 380 x 410 mm |
| Weight | 3200 g |

| | |
|-----------------|--------|
| AS 1.401 | |
| Length | 417 mm |

| | |
|---------------------------------|--|
| AS 4000.2 | |
| Dimensions (W x D x H) | 470 x 444 x 25 mm |
| Number of fixing clips (volume) | 50 x AS 2.1 (25 ml) 48 x AS 2.2 (50 ml) 25 x AS 2.3 (100 ml) 16 x AS 2.4 (250 ml) 12 x AS 2.5 (500 ml) 7 x AS 2.6 (1000 ml) |
| Set-up plate | 430 x 430 mm |
| Weight | 2650 g |

| | |
|------------------------|-------------------|
| AS 4000.3 | |
| Dimensions (W x D x H) | 470 x 444 x 25 mm |
| Set-up plate | 430 x 430 mm |
| Weight | 800 g |

| | |
|------------------------|--------------------|
| AS 1.400 | |
| Dimensions (W x D x H) | 446 x 447 x 135 mm |



Ident. No. 8022200

AS 4000.1 Universal attachment
 For use with various types of vessels. Infinitely variable clamping rolls allow universal adaptation to the vessels.
Included with delivery:
 1 x Basic holder, 6 x Clamping roll, 12 x Fastening screw

\$ 1,788



Ident. No. 3712000

AS 1.401 Clamping roll
 Spare for use with universal attachment AS 4000.1.

\$ 77



Ident. No. 3712300

AS 1.402 Fastening screw
 Spare for use with universal attachment AS 4000.1. Two AS 1.402 fastening screws are required for fastening a clamping roll onto the corresponding basic holder.

\$ 19



Ident. No. 3710100

AS 4000.2 Fixing clip attachment
 For shaking flasks, Erlenmeyer flasks and bottles with a round cross section (without fixing clips).

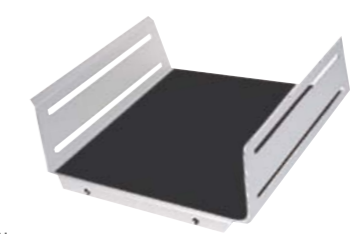
\$ 928



Ident. No. 3710000

AS 4000.3 Dish attachment
 For smooth shaking operations in the low viscosity range, e.g. for cell cultures, nutrient media in Petri dishes, culture bottles and vessels with a low center of gravity. With integrated slip-resistant foil (PP).

\$ 275




Ident. No. 3710200

AS 1.400 Basic holder
 Spare for use with universal attachment AS 4000.1

\$ 631

Accessories | VXR basic


| VX 11.1 | |
|---------------------|-------|
| Bore holes (number) | 70 |
| Hole Ø | 10 mm |



Ident. No. 3659000 **\$ 234**

VX 11.1 Test tube insert
Attachment for Eppendorf tubes or test tubes.


| VX 11.2 | |
|---------------------|-------|
| Bore holes (number) | 41 |
| Hole Ø | 12 mm |



Ident. No. 3659100 **\$ 234**

VX 11.2 Test tube insert
Attachment for test tubes.

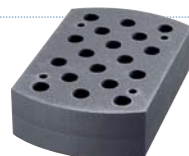
| VX 11.3 | |
|---------------------|-------|
| Bore holes (number) | 32 |
| Hole Ø | 16 mm |



Ident. No. 3659200 **\$ 199**

VX 11.3 Test tube insert
Attachment for test tubes.


| VX 11.4 | |
|---------------------|-------|
| Bore holes (number) | 18 |
| Hole Ø | 20 mm |



Ident. No. 3659300 **\$ 199**

VX 11.4 Test tube insert
Attachment for test tubes.

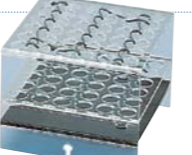
| VX 1 | |
|------------------------|-------------------|
| Dimensions (W x D x H) | 130 x 135 x 40 mm |
| Weight | 160 g |



Ident. No. 0607200 **\$ 130**

VX 1 One-hand attachment
For shaking single, non-fixed vessels of 1 – 250 ml.


| VX 2 | |
|------------------------|--------------------|
| Dimensions (W x D x H) | 140 x 145 x 115 mm |
| Material | macrolon |
| Weight | 300 g |



Ident. No. 0568900 **\$ 558**

VX 2 Test tube attachment
For up to 36 test tubes or centrifugal tubes with a diameter of 16 mm.

| VX 2E | |
|------------------------|-------------------|
| Dimensions (W x D x H) | 210 x 210 x 65 mm |
| Weight | 790 g |



Ident. No. 1618100 **\$ 557**

VX 2E "Eppendorf" attachment
For intensive mixing of up to 64 "microcentrifuge" tubes (1.5 ml).


| VX 7 | |
|------------------------|-------------------|
| Dimensions (W x D x H) | 410 x 210 x 40 mm |
| Weight | 740 g |



Ident. No. 0953300 **\$ 404**

VX 7 Dish attachment
For careful mixing of culture bottles, Petri dishes, etc.

| VX 8 | |
|------------------------|-------------------|
| Dimensions (W x D x H) | 265 x 136 x 60 mm |
| Clamping range | 25 – 135 mm |
| Min. height of vessel | 80 mm |
| Weight | 760 g |



Ident. No. 0910400 **\$ 934**

VX 8 Universal attachment
For rapid and secure clamping, e.g. 2 Erlenmeyer flasks up to 500 ml.

| VX 8.1 Clamping roll | |
|----------------------|--|
|----------------------|--|



Ident. No. 3375400 **\$ 86**

VX 8.1 Clamping roll
Spare for use with VX 8 universal attachment.

| VX 11 Basic holder | |
|--------------------|--|
|--------------------|--|



Ident. No. 3627700 **\$ 271**

VX 11 Basic holder
Attachment for test tube inserts.



Accessories | KS 130

| AS 130.1 | |
|------------------------|-------------------|
| Dimensions (W x D x H) | 325 x 234 x 88 mm |
| Set-up plate | 220 x 220 mm |
| Weight | 850 g |



Ident. No. 8017300 **\$ 226**

AS 130.1 Universal attachment
For use with various types of vessels by means of universal, infinitely variable clamping rolls.
Included with delivery:
1 x AS 1.30 Basic holder,
3 x AS 1.31 Clamping roll,
6 x AS 1.5 Fastening screw

| AS 130.3 | |
|------------------------|-------------------|
| Dimensions (W x D x H) | 420 x 270 x 32 mm |
| Set-up plate | 220 x 340 mm |
| Weight | 370 g |



Ident. No. 3120000 **\$ 223**

AS 130.3 Dish attachment
For smooth shaking operations in the low viscosity range, e.g. Petri dishes or culture bottles. With integrated slip-resistant foil (PP).

| AS 130.2 | |
|---------------------------------|--|
| Dimensions (W x D x H) | 230 x 230 x 24 mm |
| Number of fixing clips (volume) | 20 x AS 2.1 (25 ml) 12 x AS 2.2 (50 ml) 12 x AS 2.3 (100 ml) 4 x AS 2.4 (250 ml) 4 x AS 2.5 (500 ml) |
| Weight | 650 g |



Ident. No. 3115000 **\$ 118**

AS 130.2 Fixing clip attachment
For processing round flasks, measuring flasks and Erlenmeyer flasks. Please order fixing clips separately.
Accessories:
Fixing clips: AS 2.1, AS 2.2, AS 2.3, AS 2.4, AS 2.5

| AS 130.4 | |
|------------------------|-------------------|
| Dimensions (W x D x H) | 220 x 230 x 95 mm |
| Capacity | 64 |
| Vessel Ø | 10 – 16 mm |
| Min. height of vessel | 80 mm |
| Min. height of vessel | 670 g |



Ident. No. 3120300 **\$ 226**

AS 130.4 Test tube attachment
For intensive shaking, e.g. small tubes, test tubes, cuvettes, centrifuge tubes.



Accessories | HS / KS 260

| AS 260.1 | |
|------------------------|--------------------|
| Dimensions (W x D x H) | 425 x 335 x 135 mm |
| Set-up plate | 320 x 320 mm |
| Weight | 1600 g |



Ident. No.
8017400

\$ 226

AS 260.1 Universal attachment

For various types of vessels. Infinitely variable clamping rolls allow universal adaptation to the vessels.

Included with delivery:

1 x AS 1.60 Basic holder,
4 x AS 1.61 Clamping roll,
8 x AS 1.5 Fastening screw

| AS 260.3 | |
|------------------------|-------------------|
| Dimensions (W x D x H) | 410 x 370 x 32 mm |
| Set-up plate | 320 x 320 mm |
| Weight | 460 g |



Ident. No.
3120600

\$ 124

AS 260.3 Dish attachment

For smooth movement for cell cultures, nutrient media in Petri dishes, culture bottles and vessels with a low center of gravity. With integrated slip-resistant foil (PP).

| AS 260.2 | |
|---------------------------------|---|
| Dimensions (W x D x H) | 330 x 330 x 24 mm |
| Number of fixing clips (volume) | 56 x AS 2.1 (25 ml) 23 x AS 2.2 (50 ml) 23 x AS 2.3 (100 ml) 11 x AS 2.4 (250 ml) 9 x AS 2.5 (500 ml) 5 x AS 2.6 (1000 ml) |
| Weight | 1290 g |



Ident. No.
3115500

\$ 159

AS 260.2 Fixing clip attachment

For shaking flasks, Erlenmeyer flasks and bottles with a round cross-section (without fixing clips).

Accessories:

Fixing clips: AS 2.1, AS 2.2, AS 2.3, AS 2.4, AS 2.5

| AS 260.5 | |
|--|---|
| Dimensions (W x D x H) | 334 x 425 x 145 mm |
| Capacity: (number of separating funnels per volume, pear-shaped) | 6 x 50 ml 5 x 100 ml 3 x 250 ml 3 x 500 ml |
| Weight | 1550 g |



Ident. No.
3120900

\$ 679

AS 260.5 Separating funnel attachment

For shaking out, salting out, extracting, eluting and enriching. The 3 clamping rolls (included in delivery) are height-adjustable for adaption to different separating funnel sizes. The separating funnels are secured with O-rings (6 O-rings included).

| AS 1.30 | |
|------------------------|-------------------|
| Dimensions (W x D x H) | 252 x 234 x 88 mm |



Ident. No.
3148000

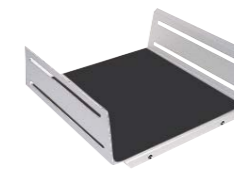
\$ 561

AS 1.30 Basic holder

For use with universal attachment AS 130.1.

Accessories:
AS 1.31, AS 1.5

| AS 1.60 | |
|------------------------|--------------------|
| Dimensions (W x D x H) | 348 x 335 x 135 mm |



Ident. No.
3149000

\$ 319

AS 1.60 Basic holder

For use with universal attachment AS 260.1.

Accessories:
AS 1.61, AS 1.5

| AS 1.10 | |
|------------------------|--------------------|
| Dimensions (W x D x H) | 480 x 480 x 120 mm |



Ident. No.
2339700

\$ 1,184

AS 1.10 Basic holder

For use with universal attachment AS 501.1 and separating funnel attachments AS 501.2, AS 501.3 and AS 501.6.

Accessories:
AS 1.11, AS 1.6, AS 1.7, AS 1.8, AS 1.12, AS 1.13

| AS 1.31 | |
|------------------|---------|
| For basic holder | AS 1.30 |
| Length | 228 mm |

| AS 1.61 | |
|------------------|---------|
| For basic holder | AS 1.60 |
| Length | 335 mm |

| AS 1.11 | |
|------------------|---------|
| For basic holder | AS 1.10 |
| Length | 410 mm |

Clamping roll

AS 1.31
AS 1.61
AS 1.11



Ident. No.
3030500
3030501
2339800

AS 1.31
AS 1.61
AS 1.11

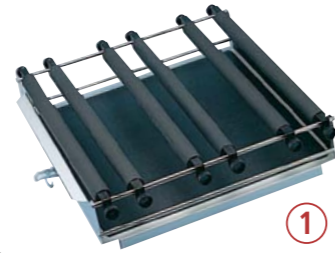
\$ 46
\$ 32
\$ 195



Accessories | HS / KS 501 digital

AS 501.1

| | |
|------------------------|--------------------|
| Dimensions (W x D x H) | 480 x 500 x 120 mm |
| Set-up plate | 420 x 420 mm |
| Weight | 4000 g |



Ident. No.
8000200

AS 501.1 Universal attachment

For various types of vessels with a minimum volume of 50 ml. Ideally more than 250 ml. The clamping rolls may be adjusted to two levels.
Included with delivery:
1 x AS 1.10 Basic holder, 6 x AS 1.11 Clamping roll, 12 x AS 1.6 Fastening screw

\$ 1,321

AS 501.2

| | |
|--|--------------------|
| Dimensions (W x D x H) | 480 x 505 x 190 mm |
| Capacity: | 12 x 50 ml |
| (number of separating funnels per volume, pear-shaped) | 10 x 100 ml |
| | 6 x 250 ml |
| Weight | 4180 g |



Ident. No.
8000300

AS 501.2 Separating funnel attachment

For shaking out, eluting, extracting, gassing out, dissolving, enriching, etc. Adjustment for the clamping rolls is infinitely variable, the set-up height can be changed by means of clamping devices.

Included with delivery:
1 x AS 1.10, 6 x AS 1.11, 6 x AS 1.6, 6 x AS 1.7

\$ 1,388

AS 501.3

| | |
|--|--------------------|
| Dimensions (W x D x H) | 480 x 505 x 190 mm |
| Capacity: | 4 x 500 ml |
| (number of separating funnels per volume, pear-shaped) | 3 x 1000 ml |
| | 2 x 2000 ml |
| Weight | 3720 g |



Ident. No.
8000400

AS 501.3 Separating funnel attachment

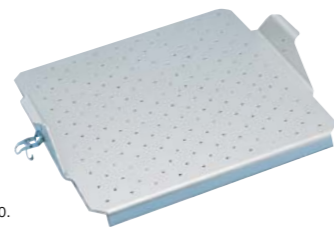
Same features as AS 501.2.

Included with delivery:
1 x AS 1.10, 4 x AS 1.11, 4 x AS 1.6, 4 x AS 1.7

\$ 1,313

AS 501.4

| | |
|---------------------------------|----------------------|
| Dimensions (W x D x H) | 475 x 460 x 95 mm |
| Number of fixing clips (volume) | 110 x AS 2.1 (25 ml) |
| | 55 x AS 2.2 (50 ml) |
| | 35 x AS 2.3 (100 ml) |
| | 16 x AS 2.4 (250 ml) |
| | 12 x AS 2.5 (500 ml) |
| | 8 x AS 2.6 (1000 ml) |
| Weight | 2640 g |



Ident. No.
2341100

AS 501.4 Fixing clip attachment

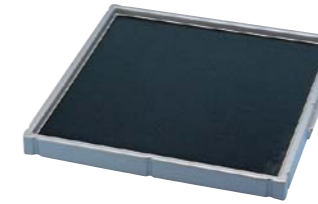
For shaking flasks, Erlenmeyer flasks and pear-shaped flasks (without fixing clips).

Accessories:
Fixing clips : AS 2.1, AS 2.2, AS 2.3, AS 2.4, AS 2.5

\$ 1,260

AS 501.5

| | |
|------------------------|-------------------|
| Dimensions (W x D x H) | 450 x 450 x 45 mm |
| Set-up plate | 420 x 420 mm |
| Weight | 1120 g |



Ident. No.
2339600

AS 501.5 Dish attachment

For smoothly shaking dishes, but also for smooth mixing in vessels with a large, flat bottom (wide-necked Erlenmeyer flasks and beakers). A plastic foil with mild adhesive prevents the vessel from slipping.

\$ 352

AS 501.6

| | |
|--|--------------------|
| Dimensions (W x D x H) | 480 x 505 x 225 mm |
| Capacity: (number of separating funnels per volume, pear-shaped) | 4 x 1000 ml |
| Weight | 5500 g |



Ident. No.
8000500

AS 501.6 Separating funnel attachment

Same features as AS 501.2. This attachment will hold 4 x 1000 ml separating funnels.

Included with delivery:
1 x AS 1.10, 4 x AS 1.6, 4 x AS 1.12, 8 x AS 1.13

\$ 2,296

STICKMAX

| | |
|------------------------------------|------------------|
| Dimensions (W x D x H) | 200 x 200 mm |
| Permissible ambient temperature | 5 – 80 °C |
| Max. speed | 300 rpm |
| Number of adhesive mats per shaker | KS 130 1 pcs. |
| | KS/HS 260 3 pcs. |
| | KS/HS 501 4 pcs. |
| | KS 3000 i 2 pcs. |
| | KS 4000 i 4 pcs. |



Ident. No.
3920000

STICKMAX

Universal adhesive mat for KS 130, KS/HS 260, KS/HS 501, KS 3000 and KS 4000 shakers.

- Ideal for frequently changing vessel types and sizes
- Self-adhesive
- Devices can be easily removed by side tilting movement
- Suitable for disinfection
- Peel-away strength required: 5 N/cm²

\$ 109



Accessories | HS / KS 501 digital and VORTEX Shakers



AS 1.5 Fastening screw

Fastening screw for the universal attachments AS 130.1, AS 260.1 and the separating funnel attachment AS 260.5. Two AS 1.5 fastening screws are required for fastening a clamping roll onto the corresponding basic holder.

Ident. No.
2979400

\$ 7



AS 1.7 Clamping device

Two AS 1.6 and two AS 1.7 clamping devices are required for fastening two clamping rolls one above the other (for clamping separating funnels). For basic holder AS 1.10 only.

Ident. No.
1269200

\$ 95



AS 1.6 Fastening screw

Two AS 1.6 clamping devices are required for fastening a clamping roll to the corresponding basic holder (for basic holder AS 1.10 only).

Ident. No.
1268400

\$ 77



AS 1.8 Supporting clamping device

Two AS 1.6 clamping devices and two AS 1.8 supporting clamping devices are required if a clamping roll is to be attached at a higher position (e.g. for fixing a vessel which has a higher point of gravity). For basic holder AS 1.10 only.

Ident. No.
1268900

on request

AS 1.12 Supporting bar

For attaching two AS 1.13 ground section holders for fixing 1000 ml separating funnels. For basic holder AS 1.10 only.
Accessories: AS 1.13



Ident. No.
2594500

Length 437 mm

\$ 213



AS 1.13 Ground section holder

For attaching separating funnels with ground opening NS 29 (2 x AS 1.13 necessary per separating funnel). For basic holder AS 1.10 only.

Ident. No.
2597000

\$ 202

| For flask volume | AS 2.1 | AS 2.2 | AS 2.3 | AS 2.4 | AS 2.5 | AS 2.6 |
|------------------|--------|--------|--------|--------|--------|--------|
| 25 ml | | | | | | |
| 50 ml | | | | | | |
| 100 ml | | | | | | |
| 200 ml / 250 ml | | | | | | |
| 500 ml | | | | | | |
| 1000 ml | | | | | | |

| Ident. No. | AS 2.1 | AS 2.2 | AS 2.3 | AS 2.4 | AS 2.5 | AS 2.6 |
|------------|---------|---------|---------|---------|---------|---------|
| 1 | 1234300 | 1234400 | 1234500 | 1234600 | 1234700 | 3819300 |
| | \$ 21 | \$ 21 | \$ 21 | \$ 39 | \$ 39 | \$ 39 |

- AS 2.1 Fixing clip
- AS 2.2 Fixing clip
- AS 2.3 Fixing clip
- AS 2.4 Fixing clip
- AS 2.5 Fixing clip
- AS 2.6 Fixing clip



VG 3.1 Standard attachment

Standard attachment for reagent glasses / small vessels (continuous / touch operation), included with delivery.

Ident. No.
3341201

\$ 21



VG 3.2 One-hand attachment

One-hand attachment, 88 mm, round, with rubber insert (continuous / touch operation).

Ident. No.
3342300

\$ 27



VG 3.21 Rubber pad

For use with VG 3.2 One-hand attachment.

Ident. No.
4206500

on request

VG 3.3 Universal attachment

Universal attachment, 150 mm, with rubber insert (continuous operation).

Ident. No.
3342400

\$ 27



VG 3.31 Test tube attachment*

For 54 Eppendorf tubes (continuous operation).

Ident. No.
3344300

\$ 71

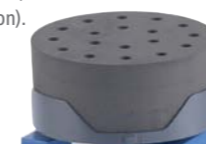


VG 3.32 Test tube attachment*

For 18 reagent glasses, 10 mm (continuous operation).

Ident. No.
3343900

\$ 39

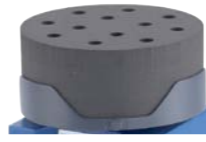


VG 3.33 Test tube attachment*

For 12 reagent glasses, 12 mm (continuous operation).

Ident. No.
3344000

\$ 36



VG 3.34 Test tube attachment*

For 8 reagent glasses, 16 mm (continuous operation).

Ident. No.
3344100

\$ 36



VG 3.35 Test tube attachment*

For 8 reagent glasses, 20 mm (continuous operation).

Ident. No.
3344200

\$ 36



VG 3.36 Erlenmeyer flask attachment*

For 1 Erlenmeyer / round flask from 100 to 250 ml (continuous operation).

Ident. No.
3342100

\$ 66



VG 3.37 Microtiter plate attachment*

For 1 standard microtiter plate (continuous operation).

Ident. No.
3344400

\$ 36

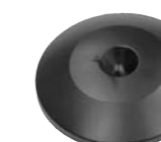


MS 3.1 Standard attachment

For test tubes and small vessels up to Ø 50 mm, included with the minishakers MS 3 basic and MS 3 digital.

Ident. No.
3426300

\$ 42



MS 3.3 Universal attachment

For various foam inserts, included with the minishakers MS 3 basic and MS 3 digital.

Ident. No.
3426600

\$ 42



MS 3.4 Microtiter plate attachment

For use with a microtiter plate, included with the minishaker MS 3 digital.

Ident. No.
3426400

\$ 56



MS 3.5 PCR plate attachment

For holding PCR plates, 96-well. Includes holder and insert.

Ident. No.
3428000

\$ 158



MS 1.21 One-hand insert

For inserting into the universal attachment, included with the minishakers MS 3 basic and MS 3 digital.

Ident. No.
L001540

\$ 20



MS 1.31 Test tube insert

For inserting into universal attachment, for 14 test tubes Ø 10 mm, material: ethylvinyl-acetate.

Ident. No.
L001840

\$ 39



MS 1.32 Test tube insert

For inserting into the universal attachment, for 6 test tubes Ø 12 mm. Material: ethylvinyl-acetate. Included with the minishakers MS 3 digital.

Ident. No.
L001850

\$ 28



MS 1.33 Test tube insert

For inserting into the universal attachment, for 4 test tubes Ø 16 mm. Material: ethylvinyl-acetate.

Ident. No.
L001860

\$ 27



MS 1.34 Test tube insert

For inserting into the universal attachment, for any number of bore holes. Material: ethylvinyl-acetate.

Ident. No.
L001830

\$ 21



* For VG 3.3 Universal attachment



| Erlenmeyer Flasks | | | | | | | | | | |
|-------------------|----------------------------------|-------|-------|--------|--------|--------|---------|---------|---------|---------|
| IKA® Shaker | Attachment Combination | 25 ml | 50 ml | 100 ml | 250 ml | 500 ml | 1000 ml | 2000 ml | 3000 ml | 5000 ml |
| KS 130 | STICKMAX | 23 | 15 | 6 | 5 | 4 | 1 | 1** | | 0 |
| KS 130 | AS 130.1 | 15 | 12 | 6 | 2 | 2 | 1 | 1** | | 0 |
| KS 130 | required clamping rolls | 4 | 4 | 3 | 2 | 2 | 2 | 2 | | 0 |
| KS 130 | AS 130.2 Fixing Clip Attachment | 12 | 12 | 8 | 4 | 4 | 1 | 0 | | 0 |
| KS 260 | STICKMAX | 25 | 16 | 9 | 10 | 9 | 5 | 2 | | 1 |
| KS 260 | AS 260.1 | 21 | 18 | 15 | 8 | 6 | 3 | 1 | | 1 |
| KS 260 | required clamping rolls | 4 | 4 | 4 | 4 | 4 | 3 | 2 | | 2 (4) |
| KS 260 | AS 260.2 Fixing Clip Attachment | 31 | 28 | 16 | 10 | 8 | 5 | 4 | | 0 |
| KS 501 | STICKMAX | 25 | 16 | 9 | 25 | 16 | 9 | 5 | 1 | 1 |
| KS 501 | AS 501.1 | 50 | 40 | 30 | 16 | 12 | 9 | 4 | 4 | 1 |
| KS 501 | required clamping rolls | 6 | 6 | 6 | 5 | 4 | 6 | 3 | 3 | 2 |
| KS 501 | AS 501.4 Fixing Clip Attachment | 50 | 35 | 30 | 16 | 12 | 8 | 5 | 0 | 0 |
| KS 4000 i control | STICKMAX | 25 | 16 | 9 | 29 | 16 | 9 | 4 | 1 | 0 |
| KS 4000 i control | AS 4000.1 | 45 | 40 | 30 | 16 | 9 | 8 | 4 | 2 | 0 |
| KS 4000 i control | required clamping rolls | 6 | 6 | 6 | 8 | 4 | 4 | 4 | 2 | 0 |
| KS 4000 i control | AS 4000.2 Fixing Clip Attachment | 55 | 38 | 25 | 16 | 11 | 7 | 4 | 0 | 0 |

| Volumetric Flasks | | | | | | | | | | |
|-------------------|---|-------|-------|--------|--------|--------|--------|---------|---------|--|
| IKA® Shaker | Attachment Combination | 25 ml | 50 ml | 100 ml | 200 ml | 250 ml | 500 ml | 1000 ml | 2000 ml | |
| KS 130 | STICKMAX | 25 | 16 | 9 | 5 | 5 | 2 | 1** | ** | |
| KS 130 | AS 130.1 | 16 | 12 | 6 | 3 | 2 | 2 | 0 | 0 | |
| KS 130 | required clamping rolls for AS 130.1 | 5 | 4 | 3 | 3 | 2 | 2 | 0 | 0 | |
| KS 130 | AS 130.2 | 15 | 8 | 8 | 4 | 4 | 4 | 1 | 0 | |
| KS 260 | STICKMAX | 49 | 36 | 25 | 10 | 10 | 9 | 4 | ** | |
| KS 260 | AS 260.1 max. quantity | 32 | 24 | 20 | 12 | 16 | 6 | 2 | ** | |
| KS 260 | required clamping rolls for AS 260.1 | 5 | 5 | 7 | 6 | 6 | 4 | 2 | ** | |
| KS 260 | AS 260.2 | 30 | 29 | 23 | 9 | 9 | 8 | 4 | 3 | |
| KS 501 | STICKMAX | 100 | 64 | 36 | 20 | 16 | 9 | 20 | ** | |
| KS 501 | AS 501.1 + 10 AS 1.11 Clamping Roll + 20 AS 1.6 Fastening Screw | 70 | 56 | 30 | 25 | 20 | 12 | 6 | ** | |
| KS 501 | required clamping rolls for AS 501.1 | 8 | 14 | 10 | 6 | 5 | 6 | 4 | ** | |
| KS 501 | AS 501.2 | 55 | 50 | 35 | 20 | 20 | 11 | 8 | 5 | |
| KS 4000 i control | STICKMAX | 100 | 64 | 36 | 20 | 20 | 16 | 6* | 0 | |
| KS 4000 i control | AS 4000.1 | 70 | 40 | 24 | 20 | 20 | 12 | 6 | 0 | |
| KS 4000 i control | required clamping rolls for AS 4000.1 | 8 | 6 | 5 | 8 | 8 | 6 | 4 | 0 | |
| KS 4000 i control | AS 4000.2 | 52 | 49 | 30 | 19 | 19 | 11 | 6 | 0 | |



| Beakers (high form) | | | | | | | | | | | | |
|---------------------|---------------------------------------|-------|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| IKA® Shaker | Attachment Combination | 25 ml | 50 ml | 100 ml | 150 ml | 250 ml | 400 ml | 600 ml | 800 ml | 1000 ml | 2000 ml | 3000 ml |
| KS 130 | STICKMAX | 25 | 16 | 9 | 9 | 5 | 4 | 4 | 4 | 4* | 1* | 1* |
| KS 130 | AS 130.1 max. quantity | 18 | 15 | 8 | 6 | 3 | 2 | 2 | 2 | 2 | 1* | 1* |
| KS 130 | required clamping rolls for AS 130.1 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| KS 260 | STICKMAX | 64 | 36 | 25 | 25 | 16 | 9 | 9 | 9 | 9 | 4* | 4* |
| KS 260 | AS AS 260.1 max. quantity | 45 | 28 | 18 | 15 | 15 | 8 | 6 | 6 | 6 | 2 | 2 |
| KS 260 | required clamping rolls for AS 260.1 | 6 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 |
| KS 501 | STICKMAX | 121 | 81 | 49 | 36 | 36 | 25 | 16 | 16 | 9 | 9 | 4 |
| KS 501 | AS 501.1 max. quantity | 96 | 90 | 40 | 35 | 24 | 20 | 12 | 12 | 12 | 12 | 4 |
| KS 501 | required clamping rolls for AS 501.1 | 9 | 8 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 3 | 4 |
| KS 4000 i control | STICKMAX | 121 | 81 | 49 | 36 | 36 | 25 | 16 | 16 | 9 | 9 | 4 |
| KS 4000 i control | AS 4000.1 max. quantity | 77 | 48 | 35 | 30 | 24 | 20 | 12 | 12 | 12 | 6 | 4 |
| KS 4000 i control | required clamping rolls for AS 4000.1 | 8 | 7 | 6 | 5 | 5 | 4 | 4 | 4 | 4 | 3 | 3 |

| Beakers (low form) | | | | | | | | | | | | | | |
|--------------------|---------------------------------------|-------|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|----------|
| IKA® Shaker | Attachment Combination | 25 ml | 50 ml | 100 ml | 150 ml | 250 ml | 400 ml | 600 ml | 800 ml | 1000 ml | 2000 ml | 3000 ml | 5000 ml | 10000 ml |
| KS 130 | STICKMAX | 25 | 16 | 9 | 9 | 5 | 4 | 4 | 4 | 2 | 1 | 1* | 1* | ** |
| KS 130 | AS 130.1 max. quantity | 15 | 8 | 8 | 8 | 4 | 2 | 2 | 2 | 2 | 2 | 1* | 0 | ** |
| KS 130 | required clamping rolls for AS 130.1 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | |
| KS 260 | STICKMAX | 64 | 36 | 25 | 16 | 10 | 9 | 9 | 6 | 6 | 4 | 2 | 1 | 1* |
| KS 260 | AS 260.1 max. quantity | 32 | 24 | 15 | 12 | 8 | 6 | 6 | 6 | 2 | 2 | 2 | 1 | 1* |
| KS 260 | required clamping rolls for AS 260.1 | 5 | 5 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 |
| KS 501 | STICKMAX | 100 | 64 | 49 | 36 | 25 | 16 | 16 | 10 | 9 | 9 | 4 | 4 | 1 |
| KS 501 | AS 501.1 max. quantity | 70 | 48 | 42 | 30 | 20 | 16 | 12 | 9 | 9 | 6 | 4 | 1 | 1 |
| KS 501 | required clamping rolls for AS 501.1 | 8 | 7 | 6 | 5 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| KS 4000 i control | STICKMAX | 100 | 64 | 49 | 36 | 25 | 16 | 16 | 10 | 9 | 9 | 4 | 4 | 1* |
| KS 4000 i control | AS 4000.1 max. quantity | 70 | 48 | 30 | 20 | 20 | 12 | 12 | 9 | 6 | 4 | 4 | 2 | 1* |
| KS 4000 i control | required clamping rolls for AS 4000.1 | 8 | 7 | 6 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 2 |

* Limited recommendation! ** Not recommended!

* Limited recommendation! ** Not recommended!



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designed
to work perfectly

FAQ

Is it possible to operate using IKA® laboratory software?

labworldsoft® is an advanced software for all your laboratory needs. With the help of this software, you can network up to 64 laboratory devices via one PC. All test parameters can be documented ensuring complete automation of your laboratory experiments. Measurements and processes may be run independently. Long waits and processing times are reduced, which increases productivity.

Can I place my shaker in a CO₂ chamber or in an incubator?

If the relative humidity does not exceed 80% and the temperature stays within 5 – 40 °C (partially until 50°C), the shaker can be used in a CO₂ chamber or an incubator.

Which IKA® shaker of the HS/KS series starts automatically after a power failure?

KS 130, KS 260, KS 3000 and KS 4000 start automatically in certain modes (C, C+B) after a power failure.

What kind of vortex shakers does IKA® offer?

(They should have a touch function, but also come equipped with various attachments, e.g. for microtiter plates) The Lab Dancer, MS 3 basic, digital VORTEX 4 and VORTEX 3 are the appropriate devices. MS 3 basic, digital and VORTEX Genius 3 have a variety of attachments for most variable shaking tasks.

Is it possible to shake deepwell plates with the MTS 2/4?

No, deepwell plates cannot be fixed properly; their center of gravity is simply too high.



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