

Шейкеры, миксеры CARL ROTH

Технические характеристики

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Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
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Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
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Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
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Москва (495)268-04-70
Мурманск (8152)59-64-93
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Новокузнецк (3843)20-46-81
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Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
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Рязань (4912)46-61-64
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Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
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Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тургут (3462)77-98-35
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия (495)268-04-70

Казахстан (772)734-952-31

Киргизия (996)312-96-26-47

Shakers, mixers



Shakers RS series

Phoenix Instrument.

Suitable for agitating five Petri dishes, with optional attachment for Erlenmeyer flasks.

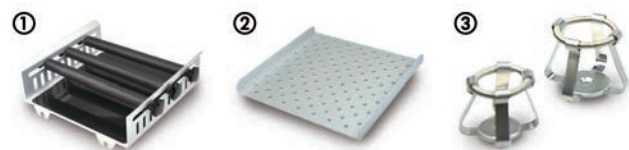
- Max. load capacity: 3 kg
- Continuous speed adjustment

Technical specifications:

Art. No.	CAX8.1	CAX9.1
Type	RS-OS 5	RS-LS 5
Movement type	circular	back and forth
Speed range	0 to 200 rpm	
Shaking amplitude (stroke)	20 mm	
Shaking surface area	240 x 240 mm	
W x D x H	245 x 310 x 125 mm	
Loading capacity	3 kg	
Permissible ambient conditions	+4 to +40 °C at 80 % RH	
Weight	3.1 kg	
Mains connection	100–240 V, 50/60 Hz	

Delivery incl. tray top with 6 fixing bands.

Type	Art. No.	Pack Qty.
RS-OS 5	CAX8.1	1 unit(s)
RS-LS 5	CAX9.1	1 unit(s)



Accessories for RS series platform shakers

Phoenix Instrument.

(1) Universal attachment

Loading options: E.g. 6 x 250 ml Erlenmeyer flasks.

Delivery incl. 3 adjustable tension rollers.

Designation	Art. No.	Pack Qty.
Universal attachment	CAY0.1	1 unit(s)

(2) Spring clip attachment

For shaking of Erlenmeyer flasks. With holes for individual placement of spring clips.

Delivery without spring clips, please order separately.

Designation	Art. No.	Pack Qty.
Spring clip attachment	CAY1.1	1 unit(s)

Accessories spring clip for RS series attachment

Phoenix Instrument.

(3)

Designation	Art. No.	Pack Qty.
Spring clip for 25 ml flasks (max. 18)	CAY2.1	1 unit(s)
Spring clip for 50 ml flasks (max. 18)	CAY3.1	1 unit(s)
Spring clip for 100 ml flasks (max. 9)	CAY4.1	1 unit(s)
Spring clip for 250 ml flasks (max. 6)	CAY5.1	1 unit(s)
Spring clip for 500 ml flasks (max. 4)	CAY6.1	1 unit(s)



Shakers Orbital digital

Heathrow Scientific.

- Circular movement
- Plates, petri dishes, glass flasks and culture bottles can be secured flexibly using elastic bands
- Digital display of speed and operating time
- Electronic speed control with soft start-up
- Loading options: E.g. 9 x 250 ml Erlenmeyer flasks or 4 x 500 ml Erlenmeyer flasks or 4 x 1000 ml Erlenmeyer flasks or 16 x 250 ml beakers or 4 x 1000 ml beakers
- 5 years warranty

Technical specifications:

Art. No.	PY67.1
Type	Digital orbital shaker
Movement type	circular
Speed range	20 to 300 rpm
Shaking amplitude (stroke)	19 mm
Timer	1 min to 49 h or continuous operation
Shaking surface area	279 x 279 mm
W x D x H	314 x 312 x 197 mm
Loading capacity	4.5 kg
Permissible ambient conditions	+2 to +40 °C at 80% RH
Mains connection	100–240 V, 50/60 Hz

Delivery incl. platform with rubber mat and 8 elastic bands.

Type	Art. No.	Pack Qty.
Digital orbital shaker	PY67.1	1 unit(s)



Shakers, mixers



Shakers Genie® Mini-100 Orbital

Scientific Industries.

- Max. load capacity: 3 kg
- Continuous speed adjustment
- Can be expanded to three levels with additional platforms, please order separately

Technical specifications:

Art. No.	HHP1.1
Type	Mini-100 Orbital-Genie®
Movement type	circular
Speed range	20 to 100 rpm
Shaking amplitude (stroke)	19 mm
Shaking surface area	290 x 290 mm
W x D x H	350 x 350 x 90 mm
Permissible ambient conditions	0 to +38 °C at 95% RH
Weight	3.5 kg
Mains connection	230 V, 50 Hz

Delivery incl. tray top and anti-slip mat.

Type	Art. No.	Pack Qty.	
Mini-100 Orbital-Genie®	HHP1.1	1 unit(s)	



Accessories platform for Genie® Mini-100 Orbital shaker

Scientific Industries.

Can be expanded with additional platforms as a second and third level.
Dimensions: Shaker surface 290 x 290 mm. Dimensions: W 318 mm x D 318 mm x H 114 mm. Weight 1.3 kg.

Designation	Art. No.	Pack Qty.	
Attachment system for Genie® Mini-100 Orbital	HHP2.1	1 unit(s)	



Shakers Hei-MIX series

Heidolph.

Shaking devices for universal use.

- Type of movement: Circular, vibrating
- Continuous speed adjustment
- Speed display: Scale
- With overheating protection
- Minimum self-heating
- Maintenance-free motors

Technical specifications:

Art. No.	H831.1	H832.1
Type	Tritamax 100	Vibramax 100
Movement type	circular vibrating	
Speed range	150 to 1350 rpm	
Orbit	1.5 mm	3 mm
Timer	0 to 120 min or continuous operation	
Motor power input	15 W	
Shaking surface area	220 x 220 mm	
W x D x H	245 x 310 x 125 mm	
Loading capacity	2 kg	
IP rating	30	
Weight	5.5 kg	
Mains connection	230–240 V, 50/60 Hz	

(1) Tritamax 100

The special holders can hold up to four microtiter plates with a size of 85 x 128 mm.

Type	Art. No.	Pack Qty.	
Tritamax 100	H831.1	1 unit(s)	

(2) Vibramax 100

An attachment with two adjustable tension rollers is available as an accessory (please order separately).

Delivery incl. rubber pad with edge bead.

Type	Art. No.	Pack Qty.	
Vibramax 100	H832.1	1 unit(s)	

Shakers, mixers



Shakers KS 130 basic complete set

IKA.

Suitable for mixing liquids in various vessels using different attachments.

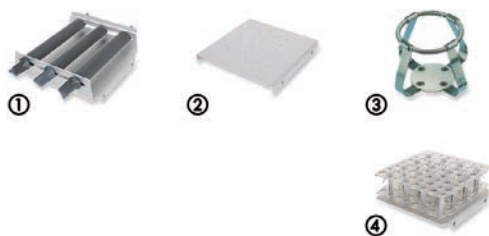
- Circular movement
- Speed display: 10-LED display bar with scale in graduations of 80 rpm
Time adjustment: 10-LED display bar with scale in increments of 5 min
- Max. shaking weight up to 2 kg

Technical specifications:

Art. No.	PA19.1
Type	KS 130 basic
Movement type	circular
Speed range	80 to 800 rpm
Shaking amplitude (stroke)	4 mm
Timer	5 to 50 min or continuous operation
W x D x H	270 x 316 x 98 mm
Loading capacity	2 kg
Permissible ambient conditions	+5 to +50 °C at 80% RH
Weight	8.8 kg

Delivery incl. AS 130.3 tray top (mounting surface: W 340 x D 220 mm) for culture bottles and petri dishes, with integrated anti-slip mat.

Type	Art. No.	Pack Qty.
KS 130 basic	PA19.1	1 unit(s)



Accessories and attachment systems for KS 130 basic shaker

IKA.

(1) AS 130.1 universal attachment

Suitable for use with all types of vessels thanks to infinitely adjustable clamping rollers. Mounting surface 220 x 220 mm.

Delivery incl. 3 tension rollers.

Designation	Art. No.	Pack Qty.
AS 130.1 universal attachment	PA23.1	1 unit(s)

(2) AS 130.2 fixing clip attachment

Suitable for shaking of e.g. round-bottom flasks, volumetric flasks and Erlenmeyer flasks. Dimensions: W 230 x D 230 x H 24 mm.

Max. number:

- 20 fixing clips for 25 ml flasks or
- 12 fixing clips for 50 ml flasks or
- 12 fixing clips for 100 ml flasks or
- 4 fixing clips for 200/250 ml flasks or
- 4 fixing clips for 500 ml flasks

Delivery without fixing clips (3), please order separately.

Designation	Art. No.	Pack Qty.
AS 130.2 fixing clip attachment	PA24.1	1 unit(s)

(3) Fixing clips

Designation	Art. No.	Pack Qty.
Fixing clips for 25 ml flasks	X185.1	1 unit(s)
Fixing clips for 50 ml flasks	X186.1	1 unit(s)
Fixing clips for 100 ml flasks	X187.1	1 unit(s)
Fixing clips for 200/250 ml flasks	X188.1	1 unit(s)
Fixing clips for 500 ml flasks	X189.1	1 unit(s)
Fixing clips for 1000 ml flasks	PA26.1	1 unit(s)

(4) AS 130.4 test tube attachment

For intensive shaking of, for example, small tubes, test tubes and centrifuge tubes. For 64 sample tubes with Ø 10 to 16 mm. Minimum sample tube height: 80 mm.

Dimensions: W 200 x D 230 x H 95 mm.

Designation	Art. No.	Pack Qty.
AS 130.4 test tube attachment	PA25.1	1 unit(s)



Shakers Rotamax 120

Heidolph.

Suitable for agitating five petri dishes, with optional attachment for Erlenmeyer flasks up to 1000 ml.

- Max. load capacity: 2 kg
- Continuous speed adjustment
- Speed display with scale

Technical specifications:

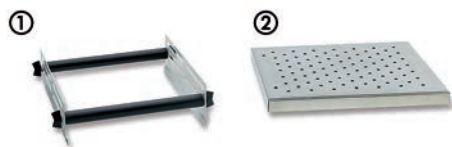
Art. No.	LY47.1
Type	Rotamax 120
Movement type	Circular
Speed range	20 to 300 rpm
Shaking amplitude (stroke)	20 mm
Timer	0 to 120 min or continuous operation
Shaking surface area	220 x 220 mm
W x D x H	245 x 310 x 125 mm
Loading capacity	2 kg
Permissible ambient conditions	0 to +50 °C at 80 % RH
Weight	5.5 kg
Mains connection	230 V, 50/60 Hz

Delivery incl. slip-resistant rubber mat with raised edge.

Type	Art. No.	Pack Qty.
Rotamax 120	LY47.1	1 unit(s)



Shakers, mixers



Accessories for Rotamax 120 platform shaker

Heidolph.

(1) Universal attachment

With two adjustable tension rollers.

Designation	Art. No.	Pack Qty.	
Universal attachment for Vibramax 100 and Rotamax 120, with two adjustable tension rollers	H833.1	1 unit(s)	

Additional tension roller compatible with the universal attachment.

Designation	Art. No.	Pack Qty.	
Additional tension roller for the Rotamax 120 universal attachment	LY48.1	1 unit(s)	

(2) Spring clip attachment for Tablar 100 perforated board

For shaking of Erlenmeyer flasks. With holes for individual placement of spring clips.

Maximum number:

16 spring clips for 25 ml flasks or

16 spring clips for 50 ml flasks or

8 spring clips for 100 ml flasks or

5 spring clips for 250 ml flasks or

3 spring clips for 500 ml flasks or

2 spring clips for 1000 ml flasks

Delivery without spring clips (3), please order separately.

Designation	Art. No.	Pack Qty.	
Spring clip attachment for Tablar 100 perforated board	LY49.1	1 unit(s)	

Accessories spring clip for Tablar 100 and 2000

Heidolph.

Designation	Art. No.	Pack Qty.	
Spring clip for 25 ml flasks	HL12.1	1 unit(s)	
Spring clip for 50 ml flasks	HL13.1	1 unit(s)	
Spring clip for 100 ml flasks	HL14.1	1 unit(s)	
Spring clip for 250 ml flasks	HL15.1	1 unit(s)	
Spring clip for 500 ml flasks	HL16.1	1 unit(s)	
Spring clip for 1000 ml flasks	HL17.1	1 unit(s)	
Spring clip for 2000 ml flasks	KA43.1	1 unit(s)	



Shakers Vibrax® VXR basic

IKA.

Features:

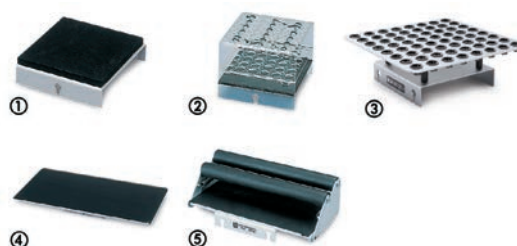
- Circular movement
- Continuous speed adjustment
- Speed display with scale
- Max. load capacity: 2 kg
- Suitable for continuous operation

Technical specifications:

Art. No.	Y517.1
Type	VXR basic Vibrax®
Movement type	circular
Speed range	0 to 2200 rpm
Shaking amplitude (stroke)	4 mm
Motor power input	35 W
Motor power output	13.2 W
W x D x H	157 x 247 x 130 mm
Loading capacity	2 kg
Weight	5.7 kg

Delivery without attachment, please order separately.

Type	Art. No.	Pack Qty.	
VXR basic Vibrax®	Y517.1	1 unit(s)	



Accessories for shaker Vibrax® VXR basic

IKA.

(1) VX 1 single-hand attachment

For shaking individual, non-fixed vessels of 1–250 ml.

Dimensions: W 130 x D 135 x H 40 mm. Weight 160 g.

Designation	Art. No.	Pack Qty.	
VX 1 single-hand attachment	Y518.1	1 unit(s)	

(2) VX 2 test tube attachment

For up to 36 test tubes or centrifuge tubes of Ø 16 mm.

Dimensions: W 140 x D 145 x H 115 mm. Weight 300 g.

Designation	Art. No.	Pack Qty.	
VX 2 test tube attachment	Y519.1	1 unit(s)	

(3) VX 2E reaction vial attachment

For intensive shaking of up to 64 reaction vials of 1.5 ml.

Dimensions: W 210 x D 210 x H 39 mm. Weight 368 g.

Designation	Art. No.	Pack Qty.	
VX 2E reaction vial attachment	Y520.1	1 unit(s)	

Shakers, mixers

(4) VX 7 tray top

For gentle shaking, for example of culture flasks and petri dishes.
Dimensions: W 410 x D 210 x H 40 mm. Weight 740 g.

Designation	Art. No.	Pack Qty.	
VX 7 tray top	Y521.1	1 unit(s)	

(5) VX 8 universal attachment

For quick and secure clamping of e.g. 2 x 500 ml Erlenmeyer flasks.
Clamping range 25 to 135 mm.
Minimum vessel height: 80 mm. Dimensions: W 265 x D 136 x H 60 mm.
Weight 760 g.

Designation	Art. No.	Pack Qty.	
VX 8 universal attachment	Y522.1	1 unit(s)	



Shakers Hei-MIX series

Heidolph.

Infinitely variable speed. With timer, or can be set to continuous operation. Different attachments can be fitted as necessary.

Technical specifications:

Art. No.	H834.1	H835.1	H836.1	H837.1
Type	UNIMAX 1010	PROMAX 1020	DUOMAX 1030	POLYMAX 1040
Movement type	Circular	Back and forward	See-saw	Wobbling
Speed range	30 to 500 rpm	30 to 250 rpm	2 to 50 rpm	
Shaking amplitude (stroke)	10 mm	32 mm		
Angle			5 °	
Speed display	Digital		Scale	
Timer display	Digital (0–999 min)		Timer (0–120 min)	
Shaking surface area	258 x 290 mm			
W x D x H	320 x 375 x 125 mm		320 x 375 x 185 mm	320 x 375 x 195 mm
Loading capacity	5 kg			
Weight	8 kg			
Mains connection	230–240 V, 50/60 Hz			

Delivery incl. rubber support with raised edge. Suitable for operation with an incubator (compatible with incubator 1000, Art. No. H844.1).

(1) UNIMAX 1010 orbital shaker

Rotating (circular) movement. Digital display. Operated using a membrane keyboard. Set the shaking frequency using a rotary switch.

Type	Art. No.	Pack Qty.	
UNIMAX 1010	H834.1	1 unit(s)	

(2) PROMAX 1020 back and forward shaker

Back and forward movement. Digital display. Operated using a membrane keyboard. Set the shaking frequency using a rotary switch.

Type	Art. No.	Pack Qty.	
PROMAX 1020	H835.1	1 unit(s)	

(3) DUOMAX 1030 gyratory shaker

See-saw motion, 5° inclination angle. Operated using a rotary switch.

Type	Art. No.	Pack Qty.	
DUOMAX 1030	H836.1	1 unit(s)	

(4) POLYMAX 1040 wobble shaker

Three-dimensional wobbling movement, 5° inclination angle. Operated using a rotary switch.

Type	Art. No.	Pack Qty.	
POLYMAX 1040	H837.1	1 unit(s)	



Accessories attachment for UNIMAX 1010, PROMAX 1020, DUOMAX 1030 and POLYMAX 1040 shakers

Heidolph.

Designation	Art. No.	Pack Qty.	
Attachment for 14 x 50 ml Erlenmeyer flasks	H838.1	1 unit(s)	
Attachment for 9 x 100 ml Erlenmeyer flasks	H839.1	1 unit(s)	
Attachment for 5 x 250 ml Erlenmeyer flasks	H840.1	1 unit(s)	
Attachment for 4 x 500 ml Erlenmeyer flasks	KA78.1	1 unit(s)	
Attachment for 2 x 1000 ml Erlenmeyer flasks	KA79.1	1 unit(s)	
Universal attachment with two tension rollers	H841.1	1 unit(s)	
Attachment for 4 x 50 or 100 ml separating funnels	H842.1	1 unit(s)	



Shakers, mixers



Incubator 1000 for shakers of 5 kg class

Heidolph.

Properties:

- Fast heat up, no condensation develops in the system
- Ideal for large-volume for high vessels, such as Erlenmeyer flasks up to 1000 ml
- Compatible with Unimax 1010, Promax 1020, Duomax 1030 and Polymax 1040 shakers (please order separately)
- Foldable hood
- Electronic temperature control with two-digit display of setpoint and actual value
- Electric convection heater with fan

Technical specifications:

Art. No.	H844.1
Type	Incubator 1000
Operating temperature	+5 °C above room temperature up to +65 °C
Accuracy	±2 K (to 50 °C) ±4 K (from 50 to 65 °C)
W x D x H, external	546 x 394 x 267 mm
Heating output	300 W
Mains connection	230–240 V, 50/60 Hz

Delivery incl. heating module with incubation hood, please order desired shaker separately.

Type	Art. No.	Pack Qty.	
Incubator 1000	H844.1	1 unit(s)	



Shakers Multi Reax

Heidolph.

Properties:

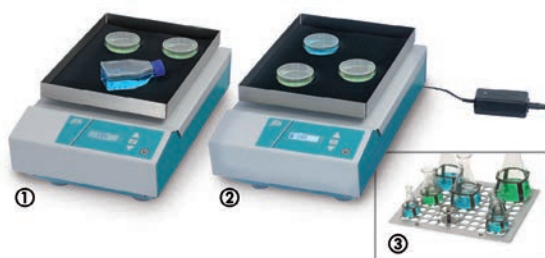
- Digital speed display
- Type of movement: Circular, vibrating
- With overheating protection
- With holder for 26 vessels, Ø 10 to 16 mm, max. length 160 mm and holder for 12 vessels, Ø 16 to 32 mm, max. length 120 mm

Technical specifications:

Art. No.	Y359.1
Type	Multi Reax
Movement type	circular vibrating
Speed range	150 to 2000 rpm
Shaking amplitude (stroke)	3 mm
Speed display	Digital
Timer	0 to 999 min or continuous operation
Motor power input	50 W
W x D x H	270 x 410 x 172 mm
Permissible ambient conditions	0 to +50 °C at 80% RH
Weight	9.8 kg
Mains connection	230–240 V, 50 Hz

Type	Art. No.	Pack Qty.	
Multi Reax	Y359.1	1 unit(s)	

Shakers, mixers



Shaker KM 2 series

Edmund Bühler.

Technical specifications:

Art. No.	L646.1	H696.1
Type	KM 2	KM 2 battery with power supply unit/charger
Movement type	circular	
Speed range	30 to 220 rpm	
Shaking amplitude (stroke)	20 mm	
Timer	0 to 99 h, 59 min or continuous operation	
Shaking surface area	200 x 295 mm	
W x D x H	250 x 415 x 145 mm	
Loading capacity	2 kg	
Permissible ambient conditions	+4 to +45 °C at 95% RH	
Weight	10 kg	

Delivery incl. basic unit with swinging attachment and finely scored mat.

(1) KM 2 Standard

- Space-saving orbital shaker
- LED display to set the speed and operating time
- Robust, sturdy housing

Type	Art. No.	Pack Qty.
KM 2	L646.1	1 unit(s)

(2) KM 2, battery-powered

- Circular shaking movement
- LED display to set the speed and operating time, as well as a visualisation of the charging status
- Suitable for **use in cooling cabinets and incubators** thanks to the low heat emission
- Rechargeable battery allows operation without mains connection (minimum running time with maximum load: 40 hours).
- The battery can be recharged or set to continuous operation with a power supply unit/charging device. The power supply unit must be placed outside of the cooling cabinet/incubator.

Type	Art. No.	Pack Qty.
KM 2 battery with power supply unit/charger	H696.1	1 unit(s)

Accessories for cordless KM 2, KM 2 and KM CO₂ shakers

Edmund Bühler.

(3) Universal board

For individual placement of spring clips. L 300 mm x W 356 mm.

Max. Number per board:

- 29 fixing clips for 25 ml flasks or
- 27 fixing clips for 50 ml flasks or
- 24 fixing clips for 100 ml flasks or
- 12 fixing clips 250 ml flasks or
- 8 fixing clips 500 ml flasks or
- 5 fixing clips 1000 ml flasks or
- 2 fixing clips 2000 ml flasks

Delivery without spring clips (please order separately; see shaker accessories).

Designation	Art. No.	Pack Qty.
Universal board	L647.1	1 unit(s)

KM tension roller

For securely fastening upright vessels to the KM 2 cordless and KM 2.

Loading options, e.g. 2 x 1000 ml Erlenmeyer flasks or 9 x 100 ml Erlenmeyer flasks. The KM tension roller is fixed to the edge of the shaker swivel plate with star-shaped grip screws.

Designation	Art. No.	Pack Qty.
KM tension roller	T519.1	1 unit(s)



Shakers, mixers



Combi-shaker KL 2

Edmund Bühler.

Practical small shaker which can be switched between **circular and back and forward movements** at any time.

- **Loading capacity: 2 kg**
- Infinitely adjustable, electronic control
- Optional accessories available: Tension roller, clamping roller and spring roller – see shaker accessories
- Loading options, e.g. 4 x 500 ml Erlenmeyer flasks or 2 x 1000 ml Erlenmeyer flasks

Technical specifications:

Art. No.	P436.1
Type	KL 2
Speed range	30 to 420 rpm
Shaking amplitude (stroke)	8 mm
Timer	0 to 120 min or continuous operation
Shaking surface area	300 x 300 mm
W x D x H	355 x 455 x 195 mm
Weight	12.5 kg
Mains connection	230 V, 50/60 Hz

Delivery incl. rack attachment with three tension rollers and finely scored mat.

Type	Art. No.	Pack Qty.	
KL 2	P436.1	1 unit(s)	



Flask shaker SF1

Stuart.

Simulates an intensive hand movement.

- For max .8 Erlenmeyer flasks or 500 ml screw top bottles
- Sturdy design with four vibration-absorbing feet
- Speed: 8-800 oscillations/min

Technical specifications:

Art. No.	EP81.1
Type	SF 1
Shaking amplitude (stroke)	1,5 mm
Timer	10 to 60 min or continuous operation
W x D x H	780 x 270 x 240 mm
Loading capacity	3 kg
Weight	8.3 kg
Mains connection	230 V, 50 Hz

Delivery incl. clamps.

Type	Art. No.	Pack Qty.	
SF 1	EP81.1	1 unit(s)	



Shakers Hei-Mix series

Heidolph.

Use different attachments to mix liquids in Erlenmeyer flasks, staining jars and petri dishes.

- Digital speed display
- **Large platform for holding numerous samples. Shaking surface: W 390 x D 340 mm**

Technical specifications:

Art. No.	HL06.1	HL07.1	HL08.1
Type	Unimax 2010	Promax 2020	Polymax 2040
Movement type	circular	back and forth	staggering
Speed range	20 to 400 rpm		2,5 to 50 rpm
Shaking amplitude (stroke)	20 mm		
Angle			5 °
Speed display	digital		
Timer	0 to 120 min or continuous operation		
Shaking surface area	390 x 340 mm		
W x D x H	426 x 455 x 135 mm		426 x 455 x 208 mm
Loading capacity	10 kg		
Permissible ambient conditions	0 to +50 °C at 80% RH		
Weight	16 kg		
Mains connection	230–240 V, 50 Hz		

Delivery incl. rubber support with raised edge.

Type	Art. No.	Pack Qty.	
Unimax 2010	HL06.1	1 unit(s)	
Promax 2020	HL07.1	1 unit(s)	
Polymax 2040	HL08.1	1 unit(s)	



Accessories and attachment systems for laboratory shakers Hei-Mix series

Heidolph.

(2) Base frame for tension rollers

Used together with tension rollers for fastening a variety of vessels.

Delivery without tension rollers, please order separately.

Designation	Art. No.	Pack Qty.	
Base frame for tension rollers	HL09.1	1 unit(s)	

(3) Tension roller for base frame

Used together with the base frame for fastening a variety of upright vessels. Loading options: E.g. 20 x 100 ml Erlenmeyer flasks or 9 x 500 ml Erlenmeyer flasks. Please order at least two pieces.

Designation	Art. No.	Pack Qty.	
Tension roller for base frame	HL10.1	1 unit(s)	

Shakers, mixers

(4) Universal board 2000

For shaking of Erlenmeyer flasks. With holes for individual placement of spring clips.

Max. number per board:

36 fixing clips for 25 ml flasks or
36 fixing clips for 50 ml flasks or
23 fixing clips for 100 ml flasks or
12 fixing clips for 250 ml flasks or
9 fixing clips for 500 ml flasks or
5 fixing clips for 1000 ml flasks or
3 fixing clips for 2000 ml flasks

Delivery without spring clips, please order separately.

Designation	Art. No.	Pack Qty.	
Universal board 2000	HL11.1	1 unit(s)	

Accessories spring clip for Tablar 100 and 2000

Heidolph.

Designation	Art. No.	Pack Qty.	
Spring clip for 25 ml flasks	HL12.1	1 unit(s)	
Spring clip for 50 ml flasks	HL13.1	1 unit(s)	
Spring clip for 100 ml flasks	HL14.1	1 unit(s)	
Spring clip for 250 ml flasks	HL15.1	1 unit(s)	
Spring clip for 500 ml flasks	HL16.1	1 unit(s)	
Spring clip for 1000 ml flasks	HL17.1	1 unit(s)	
Spring clip for 2000 ml flasks	KA43.1	1 unit(s)	



Shaker KS series

Edmund Bühler.

Technical specifications:

Art. No.	P432.1	L490.1	P433.1	L491.1
Type	KS 15 A		KS 15 B	KS 15 B control
Movement type	circular		back and forth	
Speed range	30 to 420 rpm			
Shaking amplitude (stroke)	17 mm			
Speed display		Digital		Digital
W x D x H	510 x 490 x 150 mm			
Loading capacity	15 kg			
Weight	22 kg			
Mains connection	230 V, 50/60 Hz			

Delivery without attachment, please order separately. Can be used with TH 15 incubation hood as a shake incubator (please order separately, Art. No. L492.1, see shaker accessories).

Models: KS Standard

- KS 15 A: Circular motion
- KS 15 B: Back/forward motion
- Without digital display

Type	Art. No.	Pack Qty.	
KS 15 A	P432.1	1 unit(s)	
KS 15 B	P433.1	1 unit(s)	

Models: KS control

- KS 15 A control: Circular movement
- KS 15 B control: Back/forward movement
- With digital display of target and actual speed
- Preset function for the most recently selected setting, and programming of variable sequential programmes (shaking frequency and operating time)

Type	Art. No.	Pack Qty.	
KS 15 A	L490.1	1 unit(s)	
KS 15 B control	L491.1	1 unit(s)	

Accessories platform for KS series shakers

Edmund Bühler.

Combifix KS standard attachment

Rack attachment with three tension rollers and finely scored rubber mat. Shaking surface 400 x 275 mm. For secure fastening of upright vessels. Loading options: E.g. 20 x 100 ml Erlenmeyer flasks or 2 x 2000 ml Erlenmeyer flasks. Can also be used for other vessels with additional rollers (see shaker accessories).

Designation	Art. No.	Pack Qty.	
Combifix KS standard attachment	T497.1	1 unit(s)	

KS universal board

Coated board with holes for individual placement of spring clips or test tube racks. Shaking surface 430 x 300 mm. Loading options: E.g. 15 x 250 ml Erlenmeyer flasks or 5 x 1000 ml Erlenmeyer flasks.

Delivery without spring clips, please order separately (see shaker accessories).

Designation	Art. No.	Pack Qty.	
KS universal board	P434.1	1 unit(s)	



Accessories spring roller / clamping roller

Edmund Bühler.

Suitable for

- KS 15A/B compact shaker (L490.1, L491.1, P432.1, P433.1)
- KL2 combi-shaker (P436.1)
- KS standard attachment (T497.1)

Both rollers are required for fixing separating funnels.

Designation	Art. No.	Pack Qty.	
Clamping roller	L669.1	1 unit(s)	
Spring roller	L670.1	1 unit(s)	



Shakers, mixers



Accessories test tube rack made of stainless steel

Edmund Bühler. Material: Stainless steel.

Can be secured to rack attachments using tension rollers h. Possible to secure to universal boards in combination with a swivel base (please order separately). The inclination angle of the rack can be adjusted using the swivel base.

Delivery without swivel base. Required for fastening to universal boards.

Type	Art. No.	Pack Qty.	
for 68 test tubes Ø 14 mm	T498.1	1 unit(s)	
for 44 test tubes Ø 16 mm	T499.1	1 unit(s)	
for 44 test tubes Ø 18 mm	T500.1	1 unit(s)	
for 14 sample/centrifuge tubes Ø 30 mm	AH14.1	1 unit(s)	

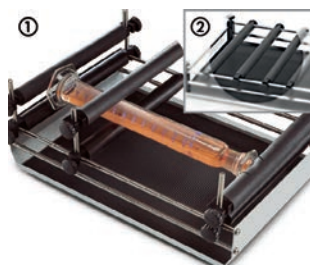


Accessories spring clip

Edmund Bühler.

For fastening Erlenmeyer flasks to the universal boards.

Designation	Art. No.	Pack Qty.	
for 10 ml Erlenmeyer flasks	L648.1	1 unit(s)	
for 25 ml Erlenmeyer flasks	L649.1	1 unit(s)	
for 50 ml Erlenmeyer flasks	L650.1	1 unit(s)	
for 100 ml Erlenmeyer flasks	L651.1	1 unit(s)	
for 250 ml Erlenmeyer flasks	L652.1	1 unit(s)	
for 500 ml Erlenmeyer flasks	L653.1	1 unit(s)	
for 1000 ml Erlenmeyer flasks	L654.1	1 unit(s)	
for 2000 ml Erlenmeyer flasks	L655.1	1 unit(s)	



Accessories tension roller h/v

Edmund Bühler.

Suitable for

KS 15A/B compact shaker (L490.1, L491.1, P432.1, P433.1), KL2 combi-shaker (P436.1) and KS standard attachment (T497.1)

Tension rollers h

For fastening all flat-bottomed vessels, such as Erlenmeyer flasks, beakers, test tube racks, etc.

Tension rollers v

Used in combination with tension rollers h, to fasten horizontal vessels or to support tall vessels from the side. Maximum distance between the rollers: 60 mm.

Pic.	Designation	Art. No.	Pack Qty.	
(1)	Tension roller v	L668.1	1 unit(s)	
(2)	Tension roller h	P435.1	1 unit(s)	



Incubation hood TH 15

Edmund Bühler.

Suitable for:

- KS 15A/B compact shaker (L490.1, L491.1, P432.1, P433.1)
- Microtritation plates shaker TiMix 5 (T490.1, T491.1, T492.1)

Technical specifications:

Art. No.	L492.1
Type	Incubation hood TH 15
Operating temperature	+5 °C above room temperature up to +50 °C
Accuracy	±1 % of adjusting value
W x D x H, external	510 x 460 x 470 mm
Mains connection	230 V, 50/60 Hz

Type	Art. No.	Pack Qty.	
Incubation hood TH 15	L492.1	1 unit(s)	

Shakers, mixers



Shakers SM series

Edmund Bühler.

Desktop shakers for high loading in continuous operation.

- All necessary parameters are set with rotary knobs
- Electronic speed control with soft start-up
- Constant speed/operation even with different loads

Together with the TH 30 incubation hood, can be used as a shaking incubator (please order incubation hood separately).

Technical specifications:

Art. No.	AH15.1	AH16.1	AH17.1
Type	Model: A	Modell B	Modell C
Movement type	circular	back and forth	circular / back and forth
Speed range	15 to 300 rpm		
Shaking amplitude (stroke)	26 mm	30 mm	26 mm
Timer	0 to 120 min or continuous operation		
W x D x H	680 x 615 x 160 mm		
Loading capacity	30 kg		
Permissible ambient conditions	5 to 50 °C at 85 % RH		
Weight	32 kg		
Mains connection	230 V, 50/60 Hz		

Delivery incl. basic unit inclusive swivel plate and rubber mat. Without rack attachment, please order the required rack attachment separately.

Universal SM series model: SM 30 A

With circular shaking movement.

Pic.	Type	Art. No.	Pack Qty.
(1)	Model: A	AH15.1	1 unit(s)

Universal SM series model: SM 30 B

With back and forward shaking movement (horizontal).

Type	Art. No.	Pack Qty.
Modell B	AH16.1	1 unit(s)

Universal SM series model: SM 30 C

Can be switched between circular or back and forward movement.

Type	Art. No.	Pack Qty.
Modell C	AH17.1	1 unit(s)

Accessories platform for SM 30 universal shaker

Edmund Bühler.

Combifix SM rack attachment, set A

Rack with 5 tension rollers h. For secure mounting of various upright vessels. Loading options: E.g. 6 x 2000 ml Erlenmeyer flasks or 20 x 250 ml Erlenmeyer flasks. Platform size: W 560 x D 400 mm.

Designation	Art. No.	Pack Qty.
Combifix SM, set A	AH18.1	1 unit(s)

(2) Combifix SM rack attachment, set B

Rack with 4 tension rollers h and 4 tension rollers v. For clamping horizontal vessels between tension rollers or for tall vessels.

Distance between the h + v rollers: Max. 60 mm.

Loading options: E.g. 6 x 2000 ml or 12 x 500 ml Erlenmeyer flasks.

Designation	Art. No.	Pack Qty.
Combifix SM, set B	AH19.1	1 unit(s)

(3) SM universal board

Coated board with holes for individual placement of spring clips and test tube racks. Loading options: E.g. 11 x 1000 ml or 23 x 250 ml Erlenmeyer flasks.

Delivery without spring clips and test tube rack, please order separately (see shaker accessories).

Designation	Art. No.	Pack Qty.
SM universal board	AH20.1	1 unit(s)



Incubation hood TH 30

Edmund Bühler.

Temperature control chambers with standard and UV lighting.

Combined with the SM shakers, it can be used either as a complete shaker incubator, or as an independent unit. A socket for smaller devices is mounted inside the hood.

Standard features:

- Coated metal housing with 3 windows
- The front door opens upwards
- Safety switch-off of UV light and automatic shaker stop when the front door is opened (when combined with universal shakers SM 30)
- Lighting: Standard lighting 15 W and UV lighting 15 W
- Hood height sufficient for 2 l Erlenmeyer flasks

Technical specifications:

Art. No.	AH21.1
Type	Incubation hood TH 30
Operating temperature	+5 °C above room temperature up to +50 °C
Accuracy	±1 % of adjusting value
W x D x H, interior	660 x 540 x 430 mm
W x D x H, external	680 x 610 x 560 mm
Weight	33 kg
Mains connection	230 V, 50/60 Hz

Type	Art. No.	Pack Qty.
Incubation hood TH 30	AH21.1	1 unit(s)



Shakers, mixers

Accessories for incubation hood TH 30

Edmund Bühler.

Option for temperature range expandable up to 60 °C

Installation of an additional heater to achieve temperatures of max. 60 °C. **Please order with first order, if required.**

Designation	Art. No.	Pack Qty.	
Temperature range expandable up to 60 °C	AH22.1	1 unit(s)	

Cooling device for TH 30

Installation of cooling coil and connecting sleeves for connection of an external cooling device (circulating cooler etc. Please order separately). Depending on the cooling capacity of the cooling device, temperatures of approx. 5 °C below room temperature can be achieved. **Please order with first order, if required.**

Designation	Art. No.	Pack Qty.	
Cooling device for TH 30	AH23.1	1 unit(s)	



CO₂-resistant orbital shaker KM CO₂

Edmund Bühler.

Features:

- Circular movement
- High-grade materials and stainless steel components especially for CO₂ concentrations of up to 20 % and humidity of up to 95 % RH
- External control unit (corded, length 2.0 m, Ø 12 mm) with LED display for speed (resolution 5 rpm) and operating time (resolution 1 min). Control unit can be fastened to magnetic surfaces.
- Low heat emission

Technical specifications:

Art. No.	ENE2.1
Type	KM CO ₂
Movement type	circular
Speed range	30 to 220 rpm
Shaking amplitude (stroke)	20 mm
Timer	0 to 99 h, 59 min or continuous operation
Shaking surface area	200 x 295 mm
W x D x H	230 x 340 x 145 mm
Loading capacity	2 kg
Permissible ambient conditions	4 to 45 °C at 95% RH 0 to 20% (CO ₂ concentration)
Weight	7.6 kg
Mains connection	230 V, 50/60 Hz

Delivery incl. external control unit and basic attachment with rubber mat.

Type	Art. No.	Pack Qty.	
KM CO ₂	ENE2.1	1 unit(s)	

Accessories for cordless KM 2, KM 2 and KM CO₂ shakers

Edmund Bühler.

(3) Universal board

For individual placement of spring clips. L 300 mm x W 356 mm.

Max. Number per board:

- 29 fixing clips for 25 ml flasks or
- 27 fixing clips for 50 ml flasks or
- 24 fixing clips for 100 ml flasks or
- 12 fixing clips 250 ml flasks or
- 8 fixing clips 500 ml flasks or
- 5 fixing clips 1000 ml flasks or
- 2 fixing clips 2000 ml flasks

Delivery without spring clips (please order separately; see shaker accessories).

Designation	Art. No.	Pack Qty.	
Universal board	L647.1	1 unit(s)	

KM tension roller

For securely fastening upright vessels to the KM 2 cordless and KM 2.

Loading options, e.g. 2 x 1000 ml Erlenmeyer flasks or 9 x 100 ml Erlenmeyer flasks. The KM tension roller is fixed to the edge of the shaker swivel plate with star-shaped grip screws.

Designation	Art. No.	Pack Qty.	
KM tension roller	T519.1	1 unit(s)	

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
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Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Сургут (3462)77-98-35
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
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Ярославль (4852)69-52-93

Россия (495)268-04-70

Казахстан (772)734-952-31

Киргизия (996)312-96-26-47