

yellow MAG HS 10 / HS 7 / HS 4

New magnetic stirrers with heating

- Heating plate made of glass-ceramic
- Excellent resistance to chemicals
- Exact temperature setting via digital potentiometer
- Target value display for hot plate control
- Simultaneous digital display of target and actual temperatures via LCD display
- Display of actual temperature value in medium with 0,1 °C resolution when using PT 1000 temperature sensor
- Control accuracy in medium +/- 0,5 °C (in combination with PT 1000)
- Integrated contact thermometer TC 3 (all TC 3 functions contained in appliance)
- Device control using two microcontrollers
- Option of directly connecting PT 1000 temperature sensor
- Error code display for faults
- Safety temperature limit: appliance switches off over 550 °C
- 3 operating modes to choose from (standard, safe, adjustment protection)
- Warning when plate is hot: flashing display "HOT" to prevent burns

new



	yellow MAG HS 10	yellow MAG HS 7	yellow MAG HS 4
Stirring quantity (H ₂ O)	15 l	10 l	5 l
Speed range	100 - 1.500 min ⁻¹	100 - 1.500 min ⁻¹	100 - 1.500 min ⁻¹
Heat output	1.500 W	1.000 W	250 W
Temperature range	50 - 500 °C	50 - 500 °C	50 - 500 °C
Safety circuit (fixed)	550 °C	550 °C	550 °C
Heating plate (L x W)	260 x 260 mm	180 x 180 mm	100 x 100 mm
Dimensions (W x D x H)	300 x 415 x 105 mm	215 x 330 x 105 mm	150 x 260 x 105 mm
Weight	approx. 6 kg	approx. 5 kg	approx. 3 kg
Protection class acc. to DIN EN 60529	IP 21	IP 21	IP 21

yellow MAG HS 10 incl. PT 1000
769,00 EUR
Ident. No. 3597000

yellow MAG HS 7 incl. PT 1000
605,00 EUR
Ident. No. 3596600

yellow MAG HS 4 + PT 1000
544,00 EUR
Ident. No. 3596000

MST basic and MST basic C

Magnetic stirrers with heating

- With adjustable safety temperature circuit
- With magnetic inductive stirring drive
- With hotplate technology for fast heat-up cycles

The MST is available in two versions:



MST basic
with a stainless steel heating plate for short heating cycles

Ident. No. 2987000 621,00 EUR



MST basic C
with a chemical resistant white coated heating plate surface

Ident. No. 2989900 621,00 EUR

Stirring quantity (H ₂ O)	15 l
Motor rating input	30 W
Speed range	15 - 1.250 min ⁻¹
Heat output	600 W
Temperature range	RT - 300 °C ± 20 K
Power consumption	max. 630 W
Separate adjustable	
safety temperature circuit	50 - 350 °C ± 20 K
Control accuracy of medium during operation with contact thermometer TC 3	± 0,5 K
Contact thermometer connection	DIN 12878
Heating plate diameter	135 mm
Dimensions (W x D x H)	160 x 280 x 85 mm
Weight	3,2 kg
Protection class acc. to DIN EN 60529	IP 43



IKA®-magnetic inductive drive

The innovative coil drive consists of 8 coils. It has high traction power and is maintenance-free. It also guarantees wear-free operation and the highest level of precision, since the drive contains no mechanically moving parts. Thanks to the new "micro-step" activation for speeds less than 150 min⁻¹, speeds with good circularity are possible beginning at 15 min⁻¹.



Package price

(MST basic or MST basic C, TC 3, H 16 V, H 38, H 44, protection cover H 88)

651,00 EUR

MST basic - Package Ident. No. 9011900
MST basic C - Package Ident. No. 9011800

TC 3

Ident. No. 3657000
258,00 EUR

New electronic contact thermometer

With optimised PID control and RESET function, incl. sensor H 62.51. For magnetic stirrers and heating plates according to DIN 12878 cl.2. Ensures perfect temperature control without overshooting the set temperature, even in the case of quick heating.

- Digital temperature display

Sensor	PT 1000
Measuring / control range	-50 - 450 °C
Resolution	0,1 K
Setting accuracy	0,1 K
Measuring accuracy	± 0,2 + Sensor tolerance PT 1000, DIN IEC 751 Class A
Control deviation	± 0,5 K
Protection class acc. to DIN EN 60529	IP 54



Support rod H 16 V

Ident. No. 1545100
49,00 EUR

Support rod made of stainless steel for secure clamping of the electronic contact thermometer TC 3 to the MSC basic C.

Diameter	10 mm
Length	450 mm



Boss head clamp H 44

Ident. No. 2437700
21,50 EUR

The boss head clamp H 44 is used to fasten the holding rod H 38 to the support rod H 16 V.

Holding rod H 38

Ident. No. 3547700
21,50 EUR

The holding rod is used to support the electronic contact thermometer TC 3 to the support rod H 16 V.



Protection cover H 88

Ident. No. 3379500
9,10 EUR

Material silicone



MSH basic

Magnetic stirrer with stainless steel heating plate

Stirring quantity (H ₂ O)	5 l
Temperature range	RT - 350 °C
Speed range	0 - 2.000 min ⁻¹
Heat output	400 W
Heating plate surface	Ø 125 mm
Dimensions (W x D x H)	160 x 210 x 105 mm
Weight	2,3 kg
Protection class acc. to DIN EN 60529	IP 21

285,00 EUR
MSH basic Ident. No. 3131200



yellow MAG MS 10 / MS 7 / MS 4

New magnetic stirrers without heating

- Ceramic top plate
- Excellent resistance to chemicals
- Microprocessor technology: guarantees maximum speed control accuracy

new



MST mini

Magnetic stirrer without heating

Stirring quantity (H ₂ O)	800 ml
Motor rating input / output	4 / 0,5 W
Speed range	0 - 1.500 min ⁻¹
Set-up surface	115 x 115 mm
Max. load	2 kg
Dimensions (W x D x H)	115 x 130 x 40 mm
Weight	0,23 kg
Protection class acc. to DIN EN 60529	IP 42



172,00 EUR
MST mini Ident. No. 3287000

BIG SQUID

Magnetic stirrer without heating

- With very good chemical resistance provided by glass top
- Electronically controlled motor with infinitely variable speed

Stirring quantity (H ₂ O)	1,5 l
Motor rating input / output	2 / 1 W
Speed range	0 - 1.500 min ⁻¹
Set-up surface	Ø 160 mm
Max. load	5 kg
Dimensions (W x D x H)	180 x 180 x 48 mm
Weight	1 kg
Protection class acc. to DIN EN 60529	IP 54



144,00 EUR
BIG SQUID Ident. No. 3286000

yellow MAG MS 10
656,00 EUR
Ident. No. 3644500

yellow MAG MS 7
492,00 EUR
Ident. No. 3644300

yellow MAG MS 4
421,00 EUR
Ident. No. 3644100

	yellow MAG MS 10	yellow MAG MS 7	yellow MAG MS 4
Stirring quantity (H ₂ O)	15 l	10 l	5 l
Speed range	100 - 1.500 min ⁻¹	100 - 1.500 min ⁻¹	100 - 1.500 min ⁻¹
Set-up surface (L x W)	260 x 260 mm	180 x 180 mm	100 x 100 mm
Dimensions (W x D x H)	300 x 415 x 105 mm	215 x 330 x 105 mm	150 x 260 x 105 mm
Weight	approx. 6 kg	approx. 5 kg	approx. 3 kg
Protection class acc. to DIN EN 60529	IP 21	IP 21	IP 21

yellow MAG HP 10 / HP 7 / HP 4

New heating plates

- New heating plate with ceramic top plate
- Equipment and data same as heating function of yellow MAG HS 10 / 7 / 4 (see p. 2)

new



yellow MAG HP 10 incl. PT 1000
687,00 EUR
Ident. No. 3644400

yellow MAG HP 7 incl. PT 1000
523,00 EUR
Ident. No. 3644200

yellow MAG HP 4 incl. PT 1000
462,00 EUR
Ident. No. 3644000

	yellow MAG HP 10	yellow MAG HP 7	yellow MAG HP 4
Max. volume	15 l	10 l	5 l
Heat output	1.500 W	1.000 W	250 W
Temperature range	50 - 500 °C	50 - 500 °C	50 - 500 °C
Safety circuit (fixed)	550 °C	550 °C	550 °C
Heating plate surface (L x B)	260 x 260 mm	180 x 180 mm	100 x 100 mm
Dimensions (W x D x H)	300 x 415 x 105 mm	215 x 330 x 105 mm	150 x 260 x 105 mm
Weight	approx. 6 kg	approx. 5 kg	approx. 3 kg
Protection class acc. to DIN EN 60529	IP 21	IP 21	IP 21

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OST basic

Overhead stirrer

- For use up to the "medium viscosity" range
- With constant torque through micro-processor-driven control
- Push-through agitator shafts, drive protected against overload

Stirring quantity (H ₂ O)	20 l
Speed range	50 - 2.000 min ⁻¹
Max. viscosity	10.000 mPas
Motor rating input / output	75 / 55 W
Output at stirring shaft	53 W
Max. torque at chuck	30 Ncm
Chuck range	0,5 - 10 mm
Hollow shaft, inner diameter	11 mm
Dimensions (W x D x H)	80 x 190 x 222 mm
Weight	2,8 kg
Protection class acc. to DIN EN 60529	IP 42

OST basic Ident. No. 3145000 **680,00 EUR**

Optional accessories:

Stirring shaft protection R 301 Ident. No. 2603000 78,50 EUR

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Package price
(OST basic, R 1342, R 1826, R 182)
892,00 EUR
Package Ident. No. 9006300

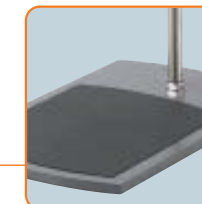
Propeller stirrer R 1342
Matches OST basic



Material stainless steel AISI 316L
Diameter of stirrer 50 mm
Shaft length 350 mm
Diameter of shaft 8 mm

Ident. No. 0741000 **70,50 EUR**

Plate stand R 1826
Stable, slip-free plate stand



Diameter of support rod 16 mm
Height 800 mm
(including PUR cover)

Ident. No. 3160100 **187,00 EUR**

Boss head clamp R 182
Matches R 1826



Clamping range
Stand 6 - 16 mm
Extension arm 6 - 16 mm

Ident. No. 2657700 **40,00 EUR**

OST 20 digital

Overhead stirrer

- Sturdy, slim stirrer
- Up to 20 l (H₂O) with constant power drive
- Two speed ranges for universal use from 60 - 2.000 min⁻¹
- Push-through agitator shafts
- With digital display

Stirring quantity (H ₂ O)	20 l
Speed range I (50 Hz)	60 - 500 min ⁻¹
Speed range II (50 Hz)	240 - 2.000 min ⁻¹
Viscosity range	10.000 mPas
Motor rating input / output	70 / 35 W
Output at stirring shaft	26 W
Max. torque at chuck	150 Ncm (100 min ⁻¹)
Speed display	digital
Chuck range	0,5 - 10 mm
Hollow shaft, inner diameter	10,5 mm
Diameter of extension arm	13 mm
Dimensions (W x D x H)	88 x 212 x 294 mm
Weight	3 kg
Protection class acc. to DIN EN 60529	IP 20

OST 20 digital Ident. No. 3293000 731,00 EUR

Optional accessories:

Stirring shaft protection R 301 Ident. No. 2603000 78,50 EUR



Boss head clamp R 182

For description, see page 9.

Ident. No. 2657700 40,00 EUR

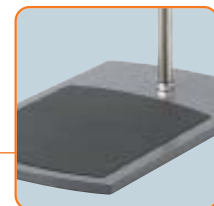


Plate stand R 1826

For description, see page 9.

Ident. No. 3160100 187,00 EUR



Propeller stirrer R 1342

Matches OST 20 digital.

For description, see page 9.

Ident. No. 0741000 70,50 EUR



Package price
(OST 20 digital, R 182, R 1342, R 1826)
754,00 EUR
Package Ident. No. 9008800

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OST 20 hightorque

Overhead stirrer

- Suitable for small quantities of highly viscous media
- Due to the high torque the stirrer has to be fixed to a stand with 34 mm diameter (e.g. R 2723)

Stirring quantity (H ₂ O)	20 l
Speed range (50 Hz)	16 - 135 min ⁻¹
Max. viscosity	100.000 mPas
Motor rating input / output	70 / 35 W
Output at stirring shaft	26 W
Max. torque at chuck	370 Ncm (100 min ⁻¹)
	600 Ncm (60 min ⁻¹)
Speed display	digital
Chuck range	0,5 - 10 mm
Hollow shaft	not push-through
Diameter of extension arm	16 mm
Dimensions (W x D x H)	88 x 212 x 383 mm
Weight	4,2 kg
Protection class acc. to DIN EN 60529	IP 20

OST 20 hightorque Ident. No. 3294000 2.0530,00 EUR

Optional accessories:

Stirring shaft protection R 301 Ident. No. 2603000 78,50 EUR

Anchor stirrer R 1331

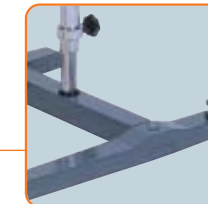
Matches OST 20 hightorque



Material stainless steel AISI 316L
Diameter of stirrer 90 mm
Shaft length 350 mm
Diameter of shaft 8 mm
Ident. No. 2022400 227,00 EUR

Telescopic stand R 2723

For heavy instruments and attachments



Diameter of support rod 34 mm
Height 620 - 1.010 mm
Stroke 390 mm
Ident. No. 1412100 633,00 EUR

Boss head clamp R 271

Matches stand R 2723



Clamping range
Stand 34 mm
Extension arm 16 mm
Ident. No. 2664000 85,00 EUR



Package price
(OST 20 hightorque, R 1331, R 2723, R 271)
2.694,00 EUR
Package Ident. No. 9008900

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IKA® ULTRA-TURRAX® Tube drive

Universal disposable disperser system

- Disperse, stir, and grind using a single drive unit
- No possibility of cross-contamination
- Covers with pierceable membranes available on request
- γ -sterilized tubes on request
- World first
- High level of user safety
- Quick and simple
- Hygienic and clean
- Hermetically sealable disposable sample tubes
- Volumes from 2–15 ml
- Suitable for individual use and use in series
- Worldwide service guaranteed by IKA®

new



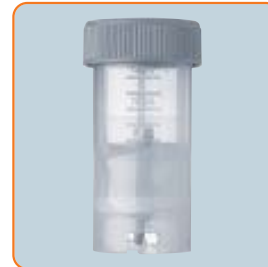
Motor rating input / output	20 / 17 W
Speed range	300 - 6.000 min ⁻¹
Timer	1 - 59 sec. (300 - 6.000 min ⁻¹) 1 - 29 min. (300 - 4.000 min ⁻¹)
Display time	digital
Dimensions (W x D x H)	100 x 160 x 40 mm
Weight	0,75 kg
Protection class acc. to DIN EN 60529	IP 20

ULTRA-TURRAX® Tube Drive Ident. No. 3553600 398,00 EUR

Workstation
(IKA® ULTRA-TURRAX® Tube drive,
2 x ST-20, 2 x DT-20, 2 x BMT-20 G/S)
430,00 EUR
Package Ident. No. 3553500

ST-20 Stirring Tube

Ident. No. 3599500
136,00 EUR
25 items per pack

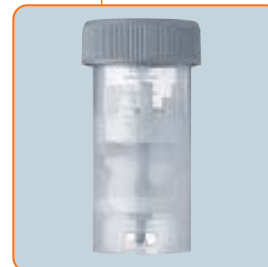


Tube, stirring device, cover

- Mixing
- Stirring
- Extractions
- Preparation of soil sample suspensions
- Solubility testing for medications
- Volumes from 2 - 15 ml

DT-20 Dispersing Tube

Ident. No. 3599400
136,00 EUR
25 items per pack



Tube, dispersion device, cover

- Dispersion
- Homogenisation
- Suspensions
- Pharmacokinetics
- Metabolism studies
- Diagnostics
- Volumes from 5 - 15 ml

BMT-20 G Ball-Mill Tube

Ident. No. 3599600
136,00 EUR
25 items per pack



Tube, glass balls, cover

BMT-20 S Ball-Mill Tube

Ident. No. 3553700
136,00 EUR
25 items per pack

Tube, stainless steel balls, cover

- Dry milling of dry and brittle samples (e.g. kaolin, gypsum, coloured pigments, tablets)
- Cell maceration
- Processing of materials mixed with fluids
- Volumes from 2 - 15 ml

IKA® ULTRA-TURRAX® Tube drive

Universal disposable disperser system

- Closed sample system
- Chemical-resistant plastic
- Simple and non-hazardous disposal
- No possibility of cross-contamination

Protection and security for:

- Infectious sample materials
- Toxic substances
- High-odour substances



Dispersion example: Liver



Dispersion example: Hedera Helix (ivy)



- Continuously variable speed control from 300 - 6.000 min⁻¹
- Timer function with digital display
- Anti-locking function
- Increases safety due to low voltage (24 V)

Application areas:

Human medicine
Pathology
Veterinary medicine
Animal hygiene institutes
Clinical diagnosis research
Foodstuffs testing laboratories
Diagnostic laboratories
Toxicology
Medical research
Pharmaceutical research
Biological research
Tumour biology
Immunology
Chemistry
Cosmetics

DI 18 basic

Dispersing device

- An affordable low cost high value unit for simple mixing tasks
- The wide speed range makes it possible to work at high circumferential speed
- Accepts plug-in dispersing tools

Volume range (H ₂ O)	1 - 1.500 ml
Speed range	3.500 - 24.000 min ⁻¹
Motor rating input / output	500 / 300 W
Speed adjustment	infinitely variable
Speed display	scale
Dimensions (W x D x H)	65 x 80 x 240 mm
Weight	1,6 kg
Protection class acc. to DIN EN 60529	IP 20

DI 18 basic Ident. No. 3567000 472,00 EUR

Optional accessories:

Dispersing element S 18 N-19 G Ident. No. L004640 481,00 EUR

Dispersing element S 18 N-10 G

With PTFE bearing

- Suitable for solvents and aggressive substances
- Dispersion tool can be sterilized using all methods

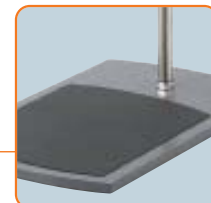


Material	stainless steel	PTFE / AISI 316L
Diameter of stator	10 mm	
Working range	1 - 100 ml	
Max. temperature	180 °C	

Ident. No. L004639 481,00 EUR

Plate stand R 1826

Stable, slip-free plate stand



Diameter of support rod	16 mm
Height	800 mm
(including PUR cover)	

Ident. No. 3160100 187,00 EUR

Boss head clamp R 182

Matches R 1826



Clamping range	
Stand	6 - 16 mm
Extension arm	6 - 16 mm

Ident. No. 2657700 40,00 EUR



Package price
(DI 18 basic, S 18 N-10G, R 1826, R 182)
1.102,00 EUR
Package Ident. No. 9007900

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DI 25 basic

Dispersing device

- High performance dispersion device for use in numerous applications
- Wide volume range
- Long service life

Volume range (H ₂ O)	1 - 2.000 ml
Speed range	8.000 - 24.000 min ⁻¹
Motor rating input / output	600 / 350 W
Speed adjustment	infinitely variable
Speed stability	1 %
Speed display	colour scale
Dimensions (W x D x H)	77 x 66 x 221 mm
Weight	1,6 kg
Protection class acc. to DIN EN 60529	IP 20

DI 25 basic Ident. No. 3130000 680,00 EUR

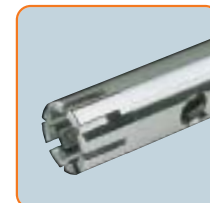
Optional accessories (further accessories on request):

Dispersing element S 25 N-10 G	Ident. No. 0594000	463,00 EUR
Dispersing element S 25 N-25 G	Ident. No. 1713300	644,00 EUR
Dispersing element S 25 N-25 F	Ident. No. 1713800	677,00 EUR

Dispersing element S 25 N-18 G

With PTFE bearing

- Suitable for solvents and aggressive substances
- Dispersion tool can be sterilized using all methods

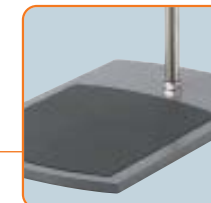


Material	stainless steel	PTFE / AISI 316L
Diameter of stator	18 mm	
Working range	10 - 1.500 ml	
Max. temperature	180 °C	

Ident. No. 0593400 502,00 EUR

Plate stand R 1826

Stable, slip-free plate stand



Diameter of support rod	16 mm
Height	800 mm
(including PUR cover)	

Ident. No. 3160100 187,00 EUR

Boss head clamp R 182

Matches R 1826



Clamping range	
Stand	6 - 16 mm
Extension arm	6 - 16 mm

Ident. No. 2657700 40,00 EUR



Package price
(DI 25 basic, S 25 N - 18 G, R 1826, R 182)
1.318,00 EUR
Package Ident. No. 9006400

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TTS 3 digital / TTS 3 control

Small-sized shakers

Compact, universal small shakers suitable for shaking tasks with all small vessels and microtiter plates



- Wide range of attachments
- Attachment detection
- Timer with countdown function
- Continuous or touch operation (with standard attachment)

■ Two operating modes:

Mode A (safe mode with attachment detection)

The maximum speed of 3.000 min⁻¹ is only reached with the standard attachment in touch mode. When using other attachments the speed is limited to 1.300 min⁻¹.

Mode B (without attachment detection)

A speed of 3.000 min⁻¹ is possible with all attachments.

- Stable in all speed ranges
- Sturdy zinc die cast casing

TTS 3 control* with additional features:

- LCD display
- Digital display presents set and actual speed
- RS 232 interface

Shaking motion	orbital
Orbital diameter	4,5 mm
Max. permitted shaking weight (with attachment)	0,5 kg
Motor rating input / output	10 / 8 W
Permissible ON-time	100 %
Infinitely adjustable speed range	0 - 3.000 min ⁻¹
Speed display	scale
Dimensions (W x D x H)	148 x 205 x 63 mm
Weight	2,9 kg
Protection class acc. to DIN EN 60529	IP 21
Plug-in power supply unit	100 - 240 V 50/60 Hz



TTS 3 digital incl. attachments
(MS 3.1, MS 3.3, MS 1.21, MS 3.4, MS 1.32)
395,00 EUR
Ident. No. 3627000



MS 1.34 Test tube insert Ident. No. L001830
Without bore holes, for adding any number of holes 16,40 EUR



MS 1.33 Test tube insert Ident. No. L001860
4 bore holes, Ø 15 mm 34,00 EUR



MS 1.32 Test tube insert Ident. No. L001850
6 bore holes, Ø 10 mm 34,00 EUR



MS 1.31 Test tube insert Ident. No. L001840
14 bore holes, Ø 8 mm 34,00 EUR



MS 1.21 One-hand insert Ident. No. L001540
Foam inlay 9,80 EUR



MS 3.1 Standard attachment Ident. No. 3426300
For mounting test tubes and other small vessels of up to 30 mm in diameter. 11,10 EUR

MS 3.3 Universal attachment Ident. No. 3426600
11,10 EUR

MS 3.4 Microtiter plate attachment Ident. No. 3426400
31,00 EUR

lab dancer vario

Test tube shaker

New test tube shaker with touch function, specially for mixing small sample volumes



- Can be used with all small vessels of up to 30 mm in diameter, e. g. test tubes, centrifuge tubes, Eppendorf vessels
- Excellent mixing action
- The upper casing and the test tube surface are made from inert plastic, coated zinc die cast base
- Speed can be set from 1.000 - 2.800 min⁻¹
- Includes light 12 V power pack set



lab dancer vario
157,00 EUR

Ident. No. 3417700

Shaking motion	orbital
Orbital diameter	4,5 mm
Max. permitted shaking weight (with attachment)	0,1 kg
Motor rating input / output	1,2 / 0,8 W
Permissible ON-time	100 %
Infinitely adjustable speed range	1.000 – 2.800 min ⁻¹
Material Casing	PP
Attachment	TPU
Bottom	zinc, coated
Dimensions (W x D x H)	95 x 110 x 70 mm
Weight	0,55 kg
Protection class acc. to DIN EN 60529	IP 40

OS 2 basic

Orbital shaker

- Cost effective orbital shaker that includes universal attachment, 2 clamping rolls and 4 fastening screws
- Very stable and sturdy housing – concrete casing
- With constant torque through micro-processor-driven control
- Wide adjustable speed range
- Drive protected against overload
- Intrinsically safe by permanent supervision of all electric components
- Incl. protection cover
- Awarded with the design prize “Roter Punkt”



Shaking motion	orbital
Orbital diameter	4 mm
Max. permitted shaking weight (with attachment)	2 kg
Motor rating input / output	45 / 10 W
Permissible ON-time	100 %
Infinitely adjustable speed range	0 - 1.100 min ⁻¹
Speed display	scale
Dimensions (W x D x H)	375 x 383 x 152 mm
Weight	11,6 kg
Protection class acc. to DIN EN 60529	IP 21

OS 2 basic incl. attachment

645,00 EUR

Ident. No. 3295000

OS 5 basic

Orbital shaker

- Quiet operation, wear-free
- Electrical adjustment of speed
- Adjustable timer from 5 - 50 min or continuous operation
- LED display for speed and time setting
- With constant torque through micro-processor-driven control
- Drive protected against overload
- Intrinsically safe by permanent supervision of all electric components



Shaking motion	orbital
Orbital diameter	4 mm
Max. permitted shaking weight (with attachment)	2 kg
Motor rating input / output	45 / 10 W
Permissible ON-time	100 %
Infinitely adjustable speed range	80 - 800 min ⁻¹
Speed display	LED line
Timer	5 - 50 min
Dimensions without attachment (W x D x H)	270 x 316 x 98 mm
Weight	7,7 kg
Protection class acc. to DIN EN 60529	IP 21

OS 5 basic	Ident. No. 3180100	731,00 EUR
OS 5 control	Ident. No. 3180200	1.101,00 EUR

Optional accessories:

AS 130.2 Fixing clip attachment	Ident. No. 3115000	180,00 EUR
AS 130.3 Dish attachment	Ident. No. 3120000	46,50 EUR
AS 130.4 Test tube support	Ident. No. 3120300	231,00 EUR

Package price
(OS 5 basic, AS 130.1)
887,00 EUR
Package Ident. No. 9007300

OS 5 control

Orbital shaker

Details as per OS 5 basic but with additional features:

- Digital display for speed and time
- An RS 232 interface makes it possible to control and document all functions with a PC
- Adjustable timer up to max. 9 hrs 59 min or continuous operation



Package price
(OS 5 control, AS 130.1)
1.238,00 EUR
Package Ident. No. 9007400

Universal attachment AS 130.1
Can be adjusted to fit all types of vessels with 3 universal, infinitely adjustable clamping rolls.

Dimensions (W x D x H)	325 x 234 x 88 mm
Set-up surface	220 x 220 mm
Weight	0,85 kg

Ident. No. 8017300 208,00 EUR



OS 10 basic / RS 10 basic

Orbital shaker/ Reciprocating shaker

- Compact, flat laboratory shakers
- Electronical adjustment of speeds
- Adjustable timer from 5 - 50 min or continuous operation
- LED display for speed and time setting
- With constant torque, protected against overload and intrinsically safe operation, like OS 5 basic
- Further attachments on request



Shaking motion	orbital (OS), reciprocating (RS)
Orbital diameter	10 mm (OS), 20 mm (RS)
Max. permitted shaking weight (with attachment)	7,5 kg
Motor rating input / output	45 / 10 W
Permissible ON-time	100 %
Infinitely adjustable speed range	20 - 500 min ⁻¹ (OS), 20 - 300 min ⁻¹ (RS)
Speed display	LED line
Timer	5 - 50 min
Dimensions (W x D x H)	360 x 420 x 98 mm
Weight	8,3 kg
Protection class acc. to DIN EN 60529	IP 21

OS 10 basic	Ident. No. 3180300	1.168,00 EUR
RS 10 basic	Ident. No. 3180700	1.168,00 EUR
OS 10 control	Ident. No. 3180400	1.522,00 EUR
RS 10 control	Ident. No. 3180800	1.522,00 EUR

Optional accessories:

AS 260.2 Fixing clip attachment	Ident. No. 3115500	250,00 EUR
AS 260.3 Dish attachment	Ident. No. 3120600	58,50 EUR
AS 260.5 Separating funnel attachment	Ident. No. 3120900	278,00 EUR

Package price
1.437,00 EUR

(OS 10 basic, AS 260.1)
Package Ident. No. 9007500

(RS 10 basic, AS 260.1)
Package Ident. No. 9007700

OS 10 control / RS 10 control

Orbital shaker/ Reciprocating shaker

Details as per OS 10 basic / RS 10 basic, but with additional features:

- Digital display for speed and time
- An RS 232 interface makes it possible to control and document all functions with a PC
- Adjustable timer up to max. 9 hrs 59 min or continuous operation
- Adjustable speed range
10 - 500 min⁻¹ (OS 10 control)
10 - 300 min⁻¹ (RS 10 control)
- Further attachments on request



Universal attachment AS 260.1

Can be adjusted to fit all types of vessels with 4 universal, infinitely adjustable clamping rolls.

Dimensions (W x D x H)	425 x 335 x 135 mm
Set-up surface	320 x 320 mm
Weight	1,6 kg

Ident. No. 8017400 **356,00 EUR**

Package price
1.772,00 EUR

(OS 10 control, AS 260.1)
Package Ident. No. 9007600

(RS 10 control, AS 260.1)
Package Ident. No. 9007800



ET basic

Immersion thermostat

- For temperature control up to 100 °C, in all open water baths
- Short heating cycles
- High pump capacity
- Universal mounting
- Safe operation and maintenance free
- Analog temperature setting
- Adjustable safety circuit (25 - 200 °C)



Classification according to DIN 12876	I
Identification according to DIN 12876	NFL
Working temperature sensor	two-step control
Safety temperature sensor	electro-mechanical (capillary tube controller)
Working temperature	25 - 100 °C
Temperature constancy acc. to DIN 12876	± 0,12 K (70 °C and 12 l H ₂ O)
Heat output	1.500 W
Bath volume max.	18 l
Pump pressure max. (0 liters discharge flow)	0,08 bar
Pump pressure max. (0 bar back pressure)	5 l / min
Min. bath depth	160 mm
Min. usable depth	75 mm
Voltage	230 V
Frequency	50 Hz
Dimensions (W x D x H)	105 x 139 x 319 mm
Weight	2,3 kg
Protection class acc. to DIN EN 60529	IP 31

ET basic Ident. No. 3163000 453,00 EUR

EH 4.3 / EH 4.2 / EH 4.1

Bath vessels

- Suitable for the immersion thermostat ET basic
- Constructed of Polycarbonate



Bath vessels:	EH 4.3	EH 4.2	EH 4.1
Filling quantity without vessels	max. 18 l	max. 11 l	max. 5 l
Working temperature range	25 - 100 °C	25 - 100 °C	25 - 100 °C
Outer dimensions (W x D x H)	350 x 473 x 168 mm	350 x 313 x 168 mm	132 x 280 x 160 mm
Inner dimensions (W x D x H)	302 x 455 x 150 mm	302 x 295 x 150 mm	120 x 262 x 150 mm
	Ident. No. 3335200	Ident. No. 3335100	Ident. No. 3335000
	209,00 EUR	184,00 EUR	111,00 EUR

Package price
(ET basic, EH 4.3)
627,00 EUR
Package Ident. No. 9009200

Package price
(ET basic, EH 4.2)
605,00 EUR
Package Ident. No. 9009100

Package price
(ET basic, EH 4.1)
533,00 EUR
Package Ident. No. 9009000

A 10 basic

Analytical grinder

- With a built-in cooling chamber
- Suitable for low-loss dry grinding of soft, hard and brittle substances
- Removable, easy-to-clean, high-grade steel chamber
- 3 interchangeable cutters available
- Electronic overload protection

Max. task granularity	6 - 7 mm
Nominal speed	20.000 min ⁻¹
Effective vol. of grinding chamber	50 ml
Duty cycle ON / OFF	5 min / 10 min
Dimensions (W x D x H)	120 x 105 x 225 mm
Weight	2,2 kg
Protection class acc. to DIN EN 60529	IP 21



A 10 basic incl. A 14 and A 18

1.097,00 EUR

Ident. No. 3250000

A 14 (included with delivery)	Ident. No. 1059300	22,00 EUR
A 18 (included with delivery)	Ident. No. 2318200	48,00 EUR
A 15	Ident. No. 1059100	121,00 EUR
A 17	Ident. No. 1462700	59,00 EUR

Stainless steel cutter A 14
For pulverizing most brittle materials, suitable for Mohs hardness up to 5 (included with delivery).



Grinding chamber reduction A 18
For pulverizing only very small test samples (included with delivery).

Hard metal cutter A 15
Made of tungsten carbide for hard materials suitable for Mohs hardness up to 9.



Star-shaped cutter A 17
Suitable to grind fibrous substances such as paper and dried vegetation, soil samples, frozen meat and plastic granulates with low volume weight.

IKA®-WERKE GMBH & CO.KG

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