



MS 3 digital

Compact, universal small shaker 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 rpm is only reached with the standard attachment in touch mode. When using other attachments the speed is limited to 1.300 rpm.
 - Mode B (without attachment detection)
a speed of 3.000 rpm is possible with all attachments.
- Stable in all speed ranges
- Sturdy zinc die cast casing

Accessories: MS 3.1 Standard attachment, MS 3.4 Microtiter attachment, MS 3.3 Universal attachment, MS 1.33 Test tube insert, MS 1.34 Test tube insert, MS 1.31 Test tube insert, MS 1.32 Test tube insert, MS 1.21 One-hand insert

Technical Data

Type of movement	orbital
Shaker diameter [mm]	4.5
Permissible shaking weight (incl. attachment) [kg]	0.5
Motor rating input [W]	10
Motor rating output [W]	8
Permissible ON time [%]	100
Speed min (adjustable) [rpm]	200
Speed range [rpm]	0 - 3000
Speed display	scale
Timer	yes
Timer display	7 segment LED
Time setting range [min]	1/60 - 999
Operating mode	timer and continuous operation
Touch function	yes
Shaking table lock	no
Working with microtiter plates	yes
Number of microtiter plates	1
Dimensions (W x H x D) [mm]	148 x 63 x 205
Weight [kg]	2.9
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	no
Analog output	no
Voltage [V]	100 - 240
Frequency [Hz]	50/60
Power input [W]	20
DC Voltage [V=]	24
Power input [mA]	800
Ident. No.	3319000

Data Sheet

Mixing / Shakers



HS 260 control

Compact, flat shaker with ideal swivel motion, for a maximum shaking weight of 7.5 kg.

- Electronic adjustment of speed and timer
- Digital display makes it possible to read the speed, timer function and operating modes
- Electronic time switching clock: 0 - 9 h 59min or continuous operation (endless)
- With integrated endpoint positioning (for automated robot-controlled sampling)
- All functions can be controlled and documented with labworldsoft® software
- Special version with reverse rotating direction on request
- Wide range of attachment combinations makes it possible to use almost all shapes and sizes of vessels
- Attachments are not included, please order separately

Accessories: STICKMAX, AS 260.1 Universal attachment, AS 2.1 Fixing clips, AS 2.2 Fixing clips, AS 2.3 Fixing clips, AS 2.4 Fixing clips, AS 2.5 Fixing clips, H 11 Mains cable UK plug, PC 1.5 Cable, labworldsoft®, AS 260.2 Fixing clip attachment, AS 260.3 Dish attachment, AS 260.5 Separating funnel attachment, H 11 Mains cable USA plug, H 11 Mains cable Euro plug, H 11 Mains cable CH plug

Technical Data	
Type of movement	reciprocating
Shaker diameter [mm]	20
Permissible shaking weight (incl. attachment) [kg]	7.5
Motor rating input [W]	45
Motor rating output [W]	10
Permissible ON time [%]	100
Speed range [rpm]	10 - 300
Speed display	LCD
Timer	yes
Timer display	LCD
Time setting range [min]	1 - 599
Operating mode	timer and continuous operation
Shaking table lock	yes
Dimensions (W x H x D) [mm]	360 x 100 x 420
Weight [kg]	8.8
Permissible ambient temperature [°C]	5 - 50
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	yes
Analog output	yes
Voltage [V]	220 - 240 / 100 - 120
Frequency [Hz]	50/60
Power input [W]	45
Ident. No.	3066700

Data Sheet

Mixing / Shakers



HS 260 basic

Compact, flat shaker with ideal swivel motion, for a maximum shaking weight of 7.5 kg.

- Electronic adjustment of speed and timer
- LED display for speed and time adjustment
- Wide range of attachment combinations makes it possible to use almost all shapes and sizes of vessels
- Attachments are not included in delivery, please order separately

Accessories: STICKMAX, H 11 Mains cable CH plug, AS 2.1 Fixing clips, AS 2.2 Fixing clips, AS 2.3 Fixing clips, AS 2.4 Fixing clips, AS 260.1 Universal attachment, H 11 Mains cable UK plug, AS 260.2 Fixing clip attachment, AS 260.3 Dish attachment, AS 260.5 Separating funnel attachment, H 11 Mains cable USA plug, H 11 Mains cable Euro plug, AS 2.5 Fixing clips

Technical Data

Type of movement	reciprocating
Shaker diameter [mm]	20
Permissible shaking weight (incl. attachment) [kg]	7.5
Motor rating input [W]	45
Motor rating output [W]	10
Permissible ON time [%]	100
Speed min (adjustable) [rpm]	20
Speed range [rpm]	0 - 300
Speed display	LED line
Timer	yes
Timer display	LED line
Time setting range [min]	5 - 50
Operating mode	timer and continuous operation
Shaking table lock	no
Dimensions (W x H x D) [mm]	360 x 100 x 420
Weight [kg]	8.5
Permissible ambient temperature [°C]	5 - 50
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	no
Analog output	no
Voltage [V]	220 - 240 / 100 - 120
Frequency [Hz]	50/60
Power input [W]	45
Ident. No.	3066600

Data Sheet

Mixing / Shakers



KS 501 digital

Low profile laboratory shaker with a pleasant design, large mounting surface and load capacity of up to 15 kg.

- Infinitely variable speed control of 0 - 300 rpm
- Digital display
- Orbital diameter 30 mm
- Ideal for vessels with a volume of more than 250 ml, e.g. round flasks, Erlenmeyer flasks, culture flasks and culture bottles
- Ideal for biological and microbiological growth tests, for the production of stock solutions
- Guaranteed continuous operation (endless) even under extreme loads
- Includes timer
- Attachments are not included, please order separately

Accessories: STICKMAX, H 11 Mains cable CH plug, AS 2.1 Fixing clips, AS 2.2 Fixing clips, AS 2.3 Fixing clips, AS 2.4 Fixing clips, AS 501.1 Universal attachment, AS 501.5 Dish attachment, AS 501.4 Fixing clip support, H 11 Mains cable UK plug, H 11 Mains cable USA plug, AS 2.6 Fixing clips, H 11 Mains cable Euro plug, AS 2.5 Fixing clips

Technical Data	
Type of movement	orbital
Shaker diameter [mm]	30
Permissible shaking weight (incl. attachment) [kg]	15
Motor rating input [W]	70
Motor rating output [W]	19
Permissible ON time [%]	100
Speed range [rpm]	0 - 300
Speed display	LED
Timer	yes
Timer display	scale
Time setting range [min]	1 - 56
Operating mode	timer and continuous operation
Shaking table lock	no
Dimensions (W x H x D) [mm]	505 x 120 x 585
Weight [kg]	26
Permissible ambient temperature [°C]	5 - 50
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	no
Analog output	no
Voltage [V]	230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	74
Ident. No.	2526400



KS 260 control

Compact, flat shaker with ideal swivel motion, for a maximum shaking weight of 7.5 kg.

- Electronic adjustment of speed and timer
- Digital display makes it possible to read the speed, timer function and operating modes
- Electronic time switching clock: 0 - 9 h 59 min or continuous operation (endless)
- With integrated end point positioning (for automated robot-controlled sampling)
- All functions can be controlled and documented with labworldsoft®
- Special version with reverse rotating direction on request
- Wide range of attachment combinations makes it possible to use almost all shapes and sizes of vessels
- Attachments are not included, please order separately

Accessories: STICKMAX, AS 260.1 Universal attachment, AS 2.1 Fixing clips, AS 2.2 Fixing clips, AS 2.3 Fixing clips, AS 2.4 Fixing clips, AS 2.5 Fixing clips, H 11 Mains cable UK plug, PC 1.5 Cable, labworldsoft®, AS 260.2 Fixing clip attachment, AS 260.3 Dish attachment, AS 260.5 Separating funnel attachment, H 11 Mains cable USA plug, H 11 Mains cable Euro plug, H 11 Mains cable CH plug

Technical Data

Type of movement	orbital
Shaker diameter [mm]	10
Permissible shaking weight (incl. attachment) [kg]	7.5
Motor rating input [W]	45
Motor rating output [W]	10
Permissible ON time [%]	100
Speed min (adjustable) [rpm]	10
Speed range [rpm]	0 - 500
Speed display	LCD
Timer	yes
Timer display	LCD
Time setting range [min]	1 - 599
Operating mode	timer and continuous operation
Shaking table lock	yes
Dimensions (W x H x D) [mm]	360 x 98 x 420
Weight [kg]	8.8
Permissible ambient temperature [°C]	5 - 50
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	yes
Analog output	yes
Voltage [V]	220 - 240 / 100 - 120
Frequency [Hz]	50/60
Power input [W]	45
Ident. No.	2980300

Data Sheet

Mixing / Shakers



KS 260 basic

Compact, flat shaker with ideal swivel motion, for a maximum shaking weight of 7.5 kg.

- Electronic adjustment of speed and timer
- LED display for speed and time adjustment
- Wide range of attachment combinations makes it possible to use almost all shapes and sizes of vessels
- Attachments are not included, please order separately

Accessories: STICKMAX, H 11 Mains cable CH plug, AS 2.1 Fixing clips, AS 2.2 Fixing clips, AS 2.3 Fixing clips, AS 2.4 Fixing clips, AS 260.1 Universal attachment, H 11 Mains cable UK plug, AS 260.2 Fixing clip attachment, AS 260.3 Dish attachment, H 11 Mains cable USA plug, H 11 Mains cable Euro plug, AS 2.5 Fixing clips

Technical Data

Type of movement	orbital
Shaker diameter [mm]	10
Permissible shaking weight (incl. attachment) [kg]	7.5
Motor rating input [W]	45
Motor rating output [W]	10
Permissible ON time [%]	100
Speed min (adjustable) [rpm]	20
Speed range [rpm]	0 - 500
Speed display	LED line
Timer	yes
Timer display	LED line
Time setting range [min]	5 - 50
Operating mode	timer and continuous operation
Shaking table lock	no
Dimensions (W x H x D) [mm]	360 x 98 x 420
Weight [kg]	8.5
Permissible ambient temperature [°C]	5 - 50
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	no
Analog output	yes
Voltage [V]	220 - 240 / 100 - 120
Frequency [Hz]	50/60
Power input [W]	45
Ident. No.	2980200

Data Sheet

Mixing / Shakers



KS 130 control

Small, quiet shaker ensures long life with ideal swivel motion, for a maximum shaking weight of 2 kg.

- Electronic adjustment of speed and timer
- A digital display makes it possible to read the speed, timer function and operating modes
- Electronic time switching clock: 0 - 9 h 59min or continuous operation (endless)
- With integrated end point positioning (for automated robot-controlled sampling)
- All functions can be controlled and documented with labworldsoft®
- Special version with reverse rotating direction on request
- Wide range of attachment combinations makes it possible to use almost all shapes and sizes of vessels
- Attachments are not included in delivery, please order separately

Accessories: STICKMAX, AS 130.1 Universal attachment, AS 2.1 Fixing clips, AS 2.2 Fixing clips, AS 2.3 Fixing clips, AS 2.4 Fixing clips, AS 2.5 Fixing clips, H 11 Mains cable UK plug, PC 1.5 Cable, labworldsoft®, AS 130.2 Fixing clip attachment, AS 130.3 Dish attachment, AS 130.4 Test tube support, H 11 Mains cable USA plug, H 11 Mains cable Euro plug, H 11 Mains cable CH plug

Technical Data

Type of movement	orbital
Shaker diameter [mm]	4
Permissible shaking weight (incl. attachment) [kg]	2.0
Motor rating input [W]	45
Motor rating output [W]	10
Permissible ON time [%]	100
Speed min (adjustable) [rpm]	80
Speed range [rpm]	0 - 800
Speed display	LCD
Timer	yes
Timer display	LCD
Time setting range [min]	1 - 599
Operating mode	timer and continuous operation
Shaking table lock	yes
Dimensions (W x H x D) [mm]	270 x 98 x 316
Weight [kg]	9.8
Permissible ambient temperature [°C]	5 - 50
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	yes
Analog output	yes
Voltage [V]	220 - 240 / 100 - 120
Frequency [Hz]	50/60
Power input [W]	45
Ident. No.	2980100

Data Sheet

Mixing / Shakers



KS 130 basic

Small, quiet shaker ensures long life with ideal swivel motion, for a maximum shaking weight of 2 kg.

- Electronic adjustment of speed and timer
- LED display for speed and time adjustment
- Wide range of attachment combinations makes it possible to use almost all shapes and sizes of vessels
- Attachments are not included, please order separately

Accessories: STICKMAX, H 11 Mains cable CH plug, AS 2.1 Fixing clips, AS 2.2 Fixing clips, AS 2.3 Fixing clips, AS 2.4 Fixing clips, AS 130.1 Universal attachment, H 11 Mains cable UK plug, AS 130.2 Fixing clip attachment, AS 130.3 Dish attachment, AS 130.4 Test tube support, H 11 Mains cable USA plug, H 11 Mains cable Euro plug, AS 2.5 Fixing clips

Technical Data

Type of movement	orbital
Shaker diameter [mm]	4
Permissible shaking weight (incl. attachment) [kg]	2.0
Motor rating input [W]	45
Motor rating output [W]	10
Permissible ON time [%]	100
Speed min (adjustable) [rpm]	80
Speed range [rpm]	0 - 800
Speed display	LED line
Timer	yes
Timer display	LED line
Time setting range [min]	5 - 50
Operating mode	timer and continuous operation
Shaking table lock	no
Dimensions (W x H x D) [mm]	270 x 98 x 316
Weight [kg]	8.8
Permissible ambient temperature [°C]	5 - 50
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	no
Analog output	no
Voltage [V]	220 - 240 / 100 - 120
Frequency [Hz]	50/60
Power input [W]	45
Ident. No.	2980000



MTS 2/4 digital microtiter shaker

Newly developed special shaker for shaking two or four microtiter plates.

- Electronic speed control
- Digital timer
- Alarm to indicate set time has expired
- Incl. attachment (without microtiter plate)

Accessories: H 11 Mains cable Euro plug, H 11 Mains cable USA plug, H 11 Mains cable UK plug, H 11 Mains cable CH plug

Technical Data

Type of movement	orbital
Shaker diameter [mm]	3
Permissible shaking weight (incl. attachment) [kg]	2/4 MT-Platten
Motor rating input [W]	35
Motor rating output [W]	13.2
Permissible ON time [%]	100
Speed min (adjustable) [rpm]	50
Speed range [rpm]	0 - 1100
Speed display	scale
Timer	yes
Timer display	7 segment LED
Time setting range [min]	1 - 99
Operating mode	timer and continuous operation
Shaking table lock	no
Working with microtiter plates	yes
Number of microtiter plates	2 or 4
Dimensions (W x H x D) [mm]	185 x 105 x 320
Weight [kg]	2.7
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	no
Analog output	no
Voltage [V]	220 - 240 / 100 - 120
Frequency [Hz]	50/60
Power input [W]	45
Ident. No.	3208000



VXR basic Vibrax®

Optoelectronically controlled small shaker with a very wide speed range.

- Suitable for continuous operation
- New design and improved drive system
- Circular shaking motions
- Slow speeds are well maintained
- Attachments are interchangeable

Accessories: VX 2 Test tube attachment, VX 1 One-hand attachment, VX 8 Universal attachment, VX 7 Dish attachment, VX 11.4 - Test tube insert, VX 11 Basic holder, VX 11.1 - Test tube insert, VX 11.2 - Test tube insert, VX 11.3 - Test tube insert, VX 2E "Eppendorf" attachment

Technical Data	
Type of movement	orbital
Shaker diameter [mm]	4
Permissible shaking weight (incl. attachment) [kg]	2
Motor rating input [W]	35
Motor rating output [W]	13.2
Permissible ON time [%]	100
Speed min (adjustable) [rpm]	100
Speed range [rpm]	0 - 2200
Speed display	scale
Timer	no
Operating mode	continuous operation
Shaking table lock	no
Working with microtiter plates	no
Dimensions (W x H x D) [mm]	157 x 130 x 247
Weight [kg]	6.1
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	no
Analog output	no
Voltage [V]	220 - 240 / 100 - 120
Frequency [Hz]	50/60
Power input [W]	45
Ident. No.	2819000

Data Sheet

Mixing / Shakers



MS 3 basic

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

- Wide range of attachments
- Attachment detection
- Continuous or touch operation (with standard attachment)
- Two operating modes:
 - Mode A (safe mode with attachment detection)
the maximum speed of 3.000 rpm is only reached with the standard attachment in touch mode. When using other attachments the speed is limited to 1.300 rpm.
 - Mode B (without attachment detection)
a speed of 3.000 rpm is possible with all attachments.
- Stable in all speed ranges
- Sturdy zinc die cast casing

Accessories: MS 3.1 Standard attachment, MS 3.4 Microtiter attachment, MS 3.3 Universal attachment, MS 1.33 Test tube insert, MS 1.34 Test tube insert, MS 1.31 Test tube insert, MS 1.32 Test tube insert, MS 1.21 One-hand insert

Technical Data

Type of movement	orbital
Shaker diameter [mm]	4.5
Permissible shaking weight (incl. attachment) [kg]	0.5
Motor rating input [W]	10
Motor rating output [W]	8
Permissible ON time [%]	100
Speed min (adjustable) [rpm]	200
Speed range [rpm]	0 - 3000
Speed display	scale
Timer	no
Operating mode	continuous operation
Touch function	yes
Shaking table lock	no
Working with microtiter plates	yes
Number of microtiter plates	1
Dimensions (W x H x D) [mm]	148 x 63 x 205
Weight [kg]	2.9
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	no
Analog output	no
Voltage [V]	100 - 240
Frequency [Hz]	50/60
Power input [W]	20
DC Voltage [V=]	24
Power input [mA]	800
Ident. No.	3617000



KS 4000ic control

New innovative incubator shaker design with built-in cooler allowing unattended operation in a temperature-controlled environment.

- Large LED display for speed and time settings
- Controls with antimicrobial coating for reduction of bacteria
- Integrated PID temperature control (use of two PT 1000 temperature sensors)
- Junction box in the workspace for connection of an additional temperature sensor e.g. PT 1000.60 (included with delivery)
- Electronic temperature and speed control
- Electronic timer switch: 0 - 999 h (set by the minute or by the hour)
- With built-in cooling spiral for connection to an external cooling unit e.g. KV 600
- Unit switches off automatically if disturbed
- Unit stops automatically when hood is lifted
- Collecting tray with drain hose on rear of unit
- Simple operation
- All functions can be controlled and documented using the labworldsoft® software
- Attachments not included - please order accessories as required

Accessories: STICKMAX, AS 4000.1 Universal attachment, AS 4000.2 Fixing clip attachment, AS 4000.3 Dish attachment, AS 2.1 Fixing clips, AS 2.2 Fixing clips, AS 2.3 Fixing clips, AS 2.4 Fixing clips, AS 2.5 Fixing clips, AS 2.6 Fixing clips, KV 600 cooling water supply, PT 1000.60 Temperature sensor, stainless steel, labworldsoft®, PC 1.1 Cable, H 11 Mains cable Euro plug, H 11 Mains cable UK plug, H 11 Mains cable CH plug, H 11 Mains cable USA plug

Technical Data

Type of movement	orbital
Shaker diameter [mm]	20
Permissible shaking weight (incl. attachment) [kg]	20
Motor rating input [W]	82
Motor rating output [W]	24
Permissible ON time [%]	100
Speed min (adjustable) [rpm]	10
Speed range [rpm]	10 - 500
Speed display	LED
Timer	yes
Timer display	7 segment LED
Time setting range [min]	1 - 59940
Operating mode	timer and continuous operation
Touch function	no
Shaking table lock	no
Working with microtiter plates	no
Heating temperature range [°C]	room temp. +5° - 80
Heat output [W]	1000
Temperature display	yes
Temp. stability (0,2l H2O; RT 25°C, T=37°C) [±K]	0.1
Temperature range (inlet T>3°C) [°C]	12 - 80
Dimensions (W x H x D) [mm]	580 x 525 x 750
Weight [kg]	55
Permissible ambient temperature [°C]	15 - 32
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 30
RS 232 interface	yes
Voltage [V]	230
Frequency [Hz]	50/60
Power input [W]	1120
Ident. No.	3510100



KS 4000i control

New innovative incubator shaker design allowing unattended operation in a temperature-controlled environment.

- Large LED display for speed and time settings
- Controls with antimicrobial coating for reduction of bacteria
- Integrated PID temperature control (use of two PT 1000 temperature sensors)
- Junction box in the workspace for connection of an additional temperature sensor e.g. PT 1000.60 (included with delivery)
- Electronic temperature and speed control
- Electronic timer switch: 0 - 999 h (set by the minute or by the hour)
- Unit switches off automatically if disturbed
- Unit stops automatically when hood is lifted
- Collecting tray with drain hose on rear of unit
- Simple operation
- All functions can be controlled and documented using the labworldsoft® software
- Attachments not included - please order accessories as required

Accessories: STICKMAX, AS 4000.1 Universal attachment, AS 4000.2 Fixing clip attachment, AS 4000.3 Dish attachment, AS 2.1 Fixing clips, AS 2.2 Fixing clips, AS 2.3 Fixing clips, AS 2.4 Fixing clips, AS 2.5 Fixing clips, AS 2.6 Fixing clips, PT 1000.60 Temperature sensor, stainless steel, labworldsoft®, PC 1.1 Cable, H 11 Mains cable Euro plug, H 11 Mains cable UK plug, H 11 Mains cable CH plug, H 11 Mains cable USA plug

Technical Data

Type of movement	orbital
Shaker diameter [mm]	20
Permissible shaking weight (incl. attachment) [kg]	20
Motor rating input [W]	82
Motor rating output [W]	24
Permissible ON time [%]	100
Speed min (adjustable) [rpm]	10
Speed range [rpm]	10 - 500
Speed display	LED
Timer	yes
Timer display	7 segment LED
Time setting range [min]	1 - 59940
Operating mode	timer and continuous operation
Touch function	no
Shaking table lock	no
Working with microtiter plates	no
Heating temperature range [°C]	room temp. +5° - 80
Heat output [W]	1000
Temperature display	yes
Temp. stability (0,2l H ₂ O; RT 25°C, T=37°C) [±K]	0.1
Dimensions (W x H x D) [mm]	580 x 525 x 750
Weight [kg]	50
Permissible ambient temperature [°C]	15 - 32
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 30
RS 232 interface	yes
Voltage [V]	230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	1120
Ident. No.	3510000

Data Sheet

Mixing / Shakers



VORTEX 3

New vortex shaker suitable for short-time operation (touch function), activated by pressing shaker attachment or continuous operation.

- Wide speed range, infinitely adjustable
- Different applications thanks to 3 interchangeable attachments and 7 inserts (e.g. Eppendorf tubes, microtiter plates, Erlenmeyer flasks 250 ml etc.), please order separately
- Attachments securely click onto appliance in any position
- Special strap (VG 3.36) ensures easy handling of round/Erlenmeyer flasks
- Sturdy metal zinc die cast casing
- Compact design
- Short-time operation activated by pressing attachment (touch function)
- Stable at high speeds thanks to special feet (silicon base with ultra high vibration damping)
- Eccentric with ball bearings
- Suitable for continuous operation with low self heating thanks to self ventilation of motor

Accessories: VG 3.1 Standard attachment, VG 3.36 Erlenmeyer flask attachment (for VG 3.3), VG 3.2 One-hand attachment, VG 3.3 Universal attachment, VG 3.37 Microtiter plate attachment (for VG 3.3), VG 3.33 Test tube attachment (for VG 3.3), VG 3.34 Test tube attachment (for VG 3.3), VG 3.35 Test tube attachment (for VG 3.3), VG 3.31 Test tube attachment (for VG 3.3), VG 3.32 Test tube attachment (for VG 3.3)

Technical Data

Type of movement	orbital
Shaker diameter [mm]	4
Motor rating input [W]	58
Motor rating output [W]	10
Permissible ON time [%]	100
Speed min (adjustable) [rpm]	500
Speed range [rpm]	0 - 2500
Speed display	none
Timer	no
Operating mode	continuous operation
Touch function	yes
Shaking table lock	no
Working with microtiter plates	yes
Number of microtiter plates	1
Dimensions (W x H x D) [mm]	127 x 136 x 149
Weight [kg]	4.5
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	no
Analog output	no
Voltage [V]	200 - 240 / 100 - 120 / 100
Frequency [Hz]	50/60
Power input [W]	60
Ident. No.	3340000



lab dancer

A new, attractively designed, test tube shaker.

Designed for mixing small test samples with a touch function.

- Small, compact and reliable
- For small containers up to 30 mm in diameter, e.g. test tubes, centrifuge tubes, Eppendorf beakers
- Fixed speed (2800 rpm)
- Excellent mixing action
- The upper casing and the test tube surface are made from inert plastic. The bottom section is a coated, zinc die-casting
- Includes light 12 V power pack set
- 3-year guarantee on all components

Technical Data

Type of movement	orbital
Shaker diameter [mm]	4.5
Permissible shaking weight (incl. attachment) [kg]	0.1
Motor rating input [W]	1.2
Motor rating output [W]	0.8
Permissible ON time [%]	100
Speed fix [rpm]	2800
Speed display	none
Timer	no
Timer display	none
Touch function	yes
Shaking table lock	no
Working with microtiter plates	no
Dimensions (W x H x D) [mm]	100 x 70 x 100
Weight [kg]	0.55
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 40
Voltage [V]	100 - 240
Frequency [Hz]	50/60
Power input [W]	30
Ident. No.	3365000

Data Sheet

Mixing / Shakers



HS 501 digital

Low profile laboratory shaker with a pleasant design, large mounting surface and load capacity of up to 15 kg.

- Infinitely variable speed control of 0 - 300 rpm
- Digital display
- Orbital diameter 30 mm
- Ideal for all lying vessels, e.g. separating funnels
- Guaranteed continuous operation (endless) even under extreme loads
- Includes timer
- Attachments are not included in delivery, please order separately

Accessories: STICKMAX, AS 501.6 Separating funnel attachment, AS 2.1 Fixing clips, AS 2.2 Fixing clips, AS 2.3 Fixing clips, AS 2.4 Fixing clips, AS 2.5 Fixing clips, AS 501.5 Dish attachment, AS 501.4 Fixing clip support, H 11 Mains cable UK plug, H 11 Mains cable USA plug, AS 2.6 Fixing clips, AS 501.1 Universal attachment, AS 501.2 Separating funnel attachment, AS 501.3 Separating funnel attachment, H 11 Mains cable Euro plug, H 11 Mains cable CH plug

Technical Data	
Type of movement	reciprocating
Shaker diameter [mm]	30
Permissible shaking weight (incl. attachment) [kg]	15
Motor rating input [W]	70
Motor rating output [W]	19
Permissible ON time [%]	100
Speed range [rpm]	0 - 300
Speed display	LED
Timer	yes
Timer display	scale
Time setting range [min]	1 - 56
Operating mode	timer and continuous operation
Shaking table lock	no
Dimensions (W x H x D) [mm]	505 x 120 x 585
Weight [kg]	26
Permissible ambient temperature [°C]	5 - 50
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	no
Analog output	no
Voltage [V]	230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	74
Ident. No.	2527000