

Data Sheet

Mixing / Shakers



KS 3000 i control

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
- Electronic temperature and speed control
- Electronic timer switch: 0 - 999 h (set by the minute or by the hour)
- Optional built-in cooler 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 with labworldsoft®
- Attachments are not included in delivery, please order separately

Shaking movement: orbital

Orbital diameter: 20 mm

Max. shaking weight (with attachment): 7,5 kg

Infinitely adjustable speed range: 10 - 500 rpm

Heat output: 1.000 W

Temperature range: RT + 5°C to 80 °C

Accessories: STICKMAX, AS 260.2 Fixing clip attachment, AS 260.3 Dish attachment, AS 260.5 Separating funnel attachment, AS 1.61 Clamping roll, AS 1.60 Basic holder, AS 260.1 Universal attachment, AS 2.6 Fixing clips, PC 1.1 Cable, labworldsoft®

Technical Data	
Type of movement	orbital
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]	10
Speed range [rpm]	10 - 500
Speed display	LED
Speed deviation [%]	1
Speed control	1 RPM steps
Timer	yes
Timer display	7 segment LED
Time setting min. [s]	1
Time setting range [min]	1 - 59940
Operating mode	timer and continuous operation
Heating temperature range [°C]	room temp. +5° - 80
Heat output [W]	1000
Set temperature resolution [±K]	0.1
Control accuracy with sensor (1 vessel 0.5 L H ₂ O, RT 22°C, T=37°C) [±K]	0.5
Temperature display	yes
Operating area inner chamber [mm]	330 x 330 x 258
Total volume inner chamber [l]	50
Raw material housing	Sheet metal powder coat
Raw material hood	PMMA
Raw material front foil	polyester
Raw material front panel	ABS painted
Temperature stability (1 vessel 0.5 L, RT 25°C, T=37°C) [±K]	0.05
Temperature homogeneity (5 vessel 0.5 L; RT 25°C, T=37°C) [±K]	0.5
Height with open hood [mm]	875
Dimensions (W x H x D) [mm]	465 x 430 x 695
Weight [kg]	35
Permissible ambient temperature [°C]	15 - 32
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 30
RS 232 interface	yes
USB interface	yes
Voltage [V]	230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	1120
Ident. No.	0003940000