

Data Sheet

Mixing / Shakers



KS 4000 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): 20 kg

Infinitely adjustable speed range: 10 - 500 rpm

Heat output: 1,000 W

Temperature range: RT + 5°C to 80 °C

Accessories: AS 1.400 Basic holder, AS 1.401 Clamping roll, AS 1.402 Fastening screw, 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
Total volume inner chamber [l]	90
Height with open hood [mm]	875
Dimensions (W x H x D) [mm]	580 x 525 x 750
Weight [kg]	50
Permissible ambient temperature [°C]	15 - 32
Permissible relative humidity [%]	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.

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