

Data Sheet

Mixing / Shakers



KS 4000 i 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 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 |

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