

Data Sheet

Mixing / Shakers



KS 3000 i control

Innovatively designed, compact incubator shaker to safely allow unattended operation in a temperature-controlled environment. The unit has a large LED display for speed, temperature and timer. An integrated PID temperature control allows the use of PT 1000 temperature sensors to assure highly accurate temperature control. The electronically controlled incubator comes equipped with RS 232 and USB ports for PC interface. All functions can be controlled and documented using labworldsoft®. (software sold separately)

- Controls with antimicrobial coating for reduction of bacteria
- Junction box in the workspace for connection of an additional temperature sensor, e.g. PT-1000 (included with delivery)
- Wide range of attachments allows for using almost all shapes and sizes of vessels
- Unit stops automatically when hood is lifted
- Collecting tray with drain hose on rear of the unit
- Electronic timer
- Error code display

Accessories: STICKMAX, AS 260.2 Fixing clip attachment, AS 260.3 Dish attachment, AS 260.5 Separating funnel attachment, AS 260.1 Universal attachment, PC 1.1 Cable, labworldsoft®

| Technical Data | |
|---|--------------------------------|
| 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 |
| Setting time min. [s] | 1 |
| 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 |
| Heat control accuracy [±K] | 0.1 |
| Control accuracy with sensor [±K] | 0.1 |
| Temperature display | yes |
| Temp. stability (0,2l H ₂ O; RT 25°C, T=37°C) [±K] | 0.1 |
| 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 (5 vessel / 37°C) [±°C] | 0.05 |
| Temperature homogeneity (5 vessel / 37°C) [±°C] | 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 moisture [%] | 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 |