



designed for scientists

## Technical Data

|  |                                |
|--|--------------------------------|
| Type of movement   | orbital                        |
| Shaking stroke [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 <sub>2</sub> O, RT 22°C, T=37°C) [±K] | 0.5                            |
| Temperature display  | yes                            |
| Temp. stability (0,2l H <sub>2</sub> 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 (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                           |