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## Dry Block Heater 1

/// Data Sheet

Digital block heater for one aluminum block provides precise temperature control in small vessels. Included PT-1000 temperature sensor allows temperature control directly in the sample vessel. It is used with PCR tubes, PCR strips, Greiner tubes, microplates and cuvettes. The block heater is ideal for melting and boiling point determination, enzyme reactions, incubation and activation of cultures, immunoassays, DNA denaturation, culture media tests, coagulation tests, blood-urea-nitrogen determinations and in situ hybridizations.

- Stepless adjustable temperature up to 120 °C
- Timer: Countdown, adjustable from 1 min to 99h 59min



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- Counter: Display of heating time
- Highly versatile with a large number of blocks
- Error code display
- Fixed safety circuit
- Acoustic signal at end of test





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## Technical Data

|   |                                      |
|---|--------------------------------------|
| Number of blocks  | 1                                    |
| Heat output [W]   | 165                                  |
| Heating temperature range [°C]                            | room temp. +5° - 120                 |
| Temperature display                                       | yes                                  |
| Adjustment and display resolution [K]                     | 1                                    |
| Connection for ext. temperature sensor                    | CT (DIN12878)                        |
| PT 1000 variation;DIN EN 60751 Kl. A [K]                  | $\leq \pm (0.15 + 0.002 \times  T )$ |
| Temperature stability within the blocks at 37°C * [°C]    | $\pm 0.2$                            |
| Temperature stability within the blocks at 60°C * [°C]    | $\pm 0.4$                            |
| Temperature Homogeneity @ 37°C * [K]                      | 0.2                                  |
| Temperature Homogeneity @ 60°C * [K]                      | 0.4                                  |
| Heatingrate / Heat up time with external sensor * [K/min] | 5                                    |
| Set-up plate material                                     | Aluminium alloy                      |
| Set-up plate dimensions [mm]                              | 96 x 76                              |
| Fixed safety circuit [°C]                                 | 150                                  |
| Timer   | yes                                  |
| Time setting range [min]                                  | 1 - 5999                             |
| * Measured in IKA DBH Testingblock                        | Refer Manual for more details        |
| Dimensions (W x H x D) [mm]                               | 151 x 73 x 228                       |
| Weight [kg]   | 1.342                                |
| Permissible ambient temperature [°C]                      | 5 - 40                               |
| Permissible relative humidity [%]                         | 80                                   |
| Protection class according to DIN EN 60529                | IP 21                                |
| Voltage [V]   | 220 - 240                            |
| Frequency [Hz]  | 50/60                                |
| Power input [W]   | 165                                  |