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RCT basic

/// Data Sheet

The bestseller in laboratories: Strong motor for a higher range of speeds, additional temperature control mode for faster heating of medium

- Integrated temperature control
- Incl. PT 1000 temperature sensor (PT 1000.60)
- Exact temperature and speed setting via digital display, even when switched off
- Set safety temperature limit displayed digitally
- Hot Top indicator >> hot surface warning to prevent burns!
- Digital error code display

شرکت ابزار طب

وارد کننده تجهیزات
آزمایشگاهی - تجهیزات - علمی
تاسیس ۱۳۶۳



تهران، خیابان مطهری، خیابان فجر، پلاک 38



021-88832100

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- With adjustable safety circuit of heating plate temperature (50 - 360 °C)
- Safety magnetic stirrer with heating, suitable for unsupervised operation
- Bushing according to DIN 12878 for connecting a contact thermometer, e.g. ETS-D5, enables precise temperature control
- High level of safety thanks to improved heat control technology
- Enclosed assembly (IP 42) guarantees long service life
- Aluminium heating plate for optimum heat transfer
- Improved magnetic adhesion
- Automatic switch-off if the connected external temperature sensor is not immersed in the medium. Function selectable, timeout time adjustable (Error 5).



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Technical Data

| | |
|---|--|
| Number of stirring positions | 1 |
| Stirring quantity max. per stirring position (H2O) [l] | 20 |
| Motor rating output [W] | 9 |
| Direction of rotation | right |
| Speed display set-value | LED |
| Speed display actual-value | LED |
| Speed adjustment | Turning knob |
| Speed range [rpm] | 50 - 1500 |
| Setting accuracy speed [rpm] | 10 |
| Stirring bar length [mm] | 20 - 80 |
| Self-heating of the set-up plate by max. stirring (RT:22°C/duration:1h) [K] | +28 |
| Heat output [W] | 600 |
| Temperature display set-value | LED |
| Temperature display actual-value | LED |
| Temperature unit | °C |
| Heating temperature range [°C] | Room temp. + device self heating - 310 |
| Heat control | Turning knob |
| Temperature setting range [°C] | 0 - 310 |
| Heating rate heating plate [K/min] | 6.5 |
| Temperature setting resolution of heating plate [K] | 1 |
| Connection for ext. temperature sensor | PT1000 |
| Temperature setting resolution of medium [K] | 1 |
| Adjustable safety circuit [°C] | 50 - 360 |
| Set-up plate material | Aluminium alloy |
| Set-up plate dimensions [mm] | Ø 135 |
| Sensor in medium detection (Error 5) | yes |
| Heat control accuracy with ext. PT1000 (500ml H2O in 600ml beaker, 40mm stirring bar, 600rpm, 50°C) [K] | ±1 |
| Heat control accuracy with ETS-D5 (500ml H2O in 600ml beaker, 40mm stirring bar, 600rpm, 50°C) [K] | ±0.5 |
| Heat control accuracy with ETS-D6 (500ml H2O in 600ml beaker, 40mm stirring bar, 600rpm, 50°C) [K] | ±0.2 |
| Dimensions (W x H x D) [mm] | 160 x 85 x 270 |
| Weight [kg] | 2.5 |
| Permissible ambient temperature [°C] | 5 - 40 |
| Permissible relative humidity [%] | 80 |
| Protection class according to DIN EN 60529 | IP 42 |
| Voltage [V] | 220 - 230 |
| Frequency [Hz] | 50/60 |
| Power input [W] | 650 |



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