



designed for scientists



RCT 5 digital

/// Data Sheet

The new magnetic stirrer RCT 5 digital with 850 W offers significantly more power making it an ideal device for demanding stirring tasks up to 20 l.

Multifunctional menu

Whether determining the direction of rotation, timer functions or sequence programming - the stirring process can be programmed individually from beginning to end. In this way, the reaction runs reliably and safely even without monitoring.



designed for scientists

Scratch-resistant ceramic coating

RCT 5 digital has a rectangular set-up plate with a white, ceramic coating. It is less scratch-prone than conventional magnetic stirrer plates.

Safety features

The display is made of chemical resistant and hardened glass which increases the safety of the user. In addition, a symbol in the display warns in case of a hot surface and therefore protects from burnings. The safety circuit can be adjusted up to 370 °C.

Automatic switch-off of the heating function, if the connected external temperature sensor is not immersed in the medium. Function selectable, timeout time adjustable (Error 5).



designed for scientists

Technical Data

Number of stirring positions	1
Stirring quantity max. per stirring position (H ₂ O) [l]	20
Motor rating output [W]	9
Direction of rotation	right / left
Speed display set-value	LCD
Speed display actual-value	LCD
Speed control	Turning knob
Speed range [rpm]	50 - 1500
Setting accuracy speed [rpm]	10
Stirring bar length [mm]	30 - 80
Self-heating of the set-up plate by max. stirring (RT:22°C/duration:1h) [+K]	13
Heat output [W]	850
Temperature display set-value	LCD
Temperature display actual-value	LCD
Temperature unit	°C / °F
Heating temperature range [°C]	Room temp. + device self heating - 310
Heat control	Turning knob
Temperature setting range [°C]	0 - 310
Temperature setting resolution of heating plate [K]	1
Connection for ext. temperature sensor	PT1000, ETS-D5, ETS-D6
Temperature setting resolution of medium [K]	1
Adjustable safety circuit [°C]	50 - 370
Set-up plate material	Aluminum with ceramic coating
Set-up plate dimensions [mm]	137 x 137
Automatic reverse rotation	yes
Intermittent mode	yes
Viscosity trend measurement	yes
Timer	yes
Timer display	LCD
Time setting min. [s]	1
Time setting max. [min]	143940
Sensor in medium detection (Error 5)	yes
Speed deviation (no load,nominal voltage, at 1500rpm + 25 °C) [%]	±2
Heating rate (1l H ₂ O in H1500) [K/min]	7.5
Heat control accuracy of heating plate (at 100°C) [K]	±5
Heat control accuracy with ext. PT1000 (500ml H ₂ O in 600ml beaker,40mm stirring bar,600rpm,50°C) [K]	±0.5
Heat control accuracy with ETS-D5 (500ml H ₂ O in 600ml beaker,40mm stirring bar,600rpm,50°C) [K]	±0.5
Heat control accuracy with ETS-D6 (500ml H ₂ O 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]	2.6
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 42
RS 232 interface	yes
USB interface	yes
Voltage [V]	220 - 230
Frequency [Hz]	50/60
Power input [W]	900



designed for scientists

Power input standby [W]

1.6

