



designed for scientists



RCT 5 digital

/// Data Sheet

Available in second quarter 2019 only.

The RCT digital series of magnetic stirrers with the models RCT 5 digital, RCT digital white and IKA plate (RCT digital) now offers a significantly higher performance with its 800 W and convinces with different set-up plates. This makes the devices the ideal team for the widest range of stirring tasks.

Multifunctional menu

Whether determining the direction of rotation, timer functions or sequence programming - the stirring process can be



designed for scientists

programmed individually for all three models from beginning to end. In this way, the reaction runs reliably and safely even without monitoring.

Angular set-up plate

In the case of RCT 5 digital, the set-up plate is made of a white, coated ceramic and has an angular shape for even better space maximisation.





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
Intermittend mode	yes
Viscosity trend measurement	yes
Timer	yes
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 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	900
Power input standby [W]	1.6