



RCT basic

/// Data Sheet

For almost half a century, RCT basic has not only been our bestseller, but also the standard and reference device in laboratories and research facilities worldwide. The RCT basic magnetic stirrer stands for reliability, exceptionally long product lifetimes and the highest safety standards.

RCT basic is suitable for stirring tasks up to 20 I (H2O) and reaches a hotplate temperature of up to 310°C. With the connection option for an external temperature sensor (PT 1000.60 included in delivery), the temperature can be measured and controlled directly in the reaction medium.

Thanks to perfect insulation of the aluminum heating plate, maintenance-free EC motor and electronic switching power



supply, RCT basic features excellent energy efficiency as well as reduced self-heating of the heating plate during stirring operation, thus contributing to a more sustainable laboratory.

In the latest generation, RCT basic presents itself in proven quality and with numerous new features:

- Tempered shatterproof glass surface for optimal chemical resistance and easy cleaning
- Largest display in its class with easy-to-read LED display
- Illuminated symbols for displaying important status information (set and actual temperature, heating status, temperature sensor
- USB and RS232 interface for control or documentation of the test parameters via a PC
- Compatible with labworldsoft® laboratory software
- QR code for quick access to device information, accessories, downloads and extended warranty
- Easily accessible main switch on the front of the device

Safe, robust and compliant with standards

RCT basic contains the proven safety features for IKA magnetic stirrers. In accordance with the DIN EN 61010-2-010 standard, it meets all safety requirements for laboratory equipment for heating substances and is therefore also suitable for unattended operation.

- Tested and certified by TÜV SÜD according to standard IEC 61010-1 (cTÜVus)
- Adjustable hotplate temperature safety circuit (with tool)
- Confirmation mode (operating mode D) prevents the unintentional change of the set setpoints. At restart, the confirmation of the safety temperature is necessary.
- Confirmation mode (operating mode D) prevents the unintentional change of the set setpoints. At restart, the confirmation of the safety temperature is necessary.
- Automatic switch-off of the temperature control function if the connected external temperature sensor is not immersed in the medium or is defective. Function selectable, timeout time adjustable (Error 5).
- Enclosed design (protection class IP42) guarantees long service life, even under extreme conditions in the laboratory
- Reliable operation even with cold media. Extended temperature display down to -20°C (with external sensor).
- Protected electronic connections on the back of the device
- Fireproof die-cast aluminum housing with high quality and durable powder coating
- DIN socket 12878 for connecting an electronic contact thermometer, e.g. ETS-D5 for high-presence temperature control. In this combination, the experimental setup is extended by a further independent safety circuit for the reaction medium.

Proven technology

- Heating plate made of aluminum for optimal and homogeneous heat transfer
- Excellent magnetic coupling
- Soft start prevents magnetic stir bars from breaking off during the start phase



- Two optimized temperature control modes ensure fast heating or precise temperature control without overshooting
- Push and turn buttons for independent adjustment of the setpoints and starting / stopping of temperature and speed



Technical Data

Number of stirring positions 1 20 20 20 20 20 20 20	Technical Data	
Motor rating output	Number of stirring positions	1
Direction of rotation Fight Speed display set-value LED	Stirring quantity max. per stirring position (H2O) [I]	20
Speed display set-value LED Speed display catual-value LED Speed adjustment Turning knob Speed adjustment 50 - 1500 Speed arrange (rpm) 10 Setting accuracy speed (pm) 10 String bar length (rmm) 20 - 80 Self-heading of the set-up plate by max. stirring (RT-22°C/duration:1h) [K] +13 Heat cutput [M] 600 Temperature display set-value LED Temperature sisplay set-value LED Temperature unit "C Heat control (sisplay set-value) LED Temperature setting range [°C] Room temp. + device self heating - 310 Temperature setting range [°C] Turning knob Temperature setting range [°C] 1 Connection for ext. temperature sensor PT1000, ETS-D5, ETS-D6 Heating rate medium [K/min] 6.5 Temperature setting resolution of medium [K] 1 Adjustable safety circuit [°C] 50 - 360 Set-up plate dimensions [mm] Ø 135 Sessor in medium detection (Error 5) 9es Sensor in medium detection	Motor rating output [W]	9
Speed display actual-value	Direction of rotation	right
Speed adjustment Turning knob Speed range [pm] 50 - 1300 Setting accuracy speed [pm] 10 Stirting bar length [mm] 20 - 80 Self-heating of the set-up plate by max. stirring (RT-22°C/duration:1h) [k] +13 Heat output [M] 600 Temperature display set-value LED Temperature unit °C Heating temperature range [°C] Room temp. + device self heating - 310 Temperature setting range [°C] Turning knob Temperature setting range [°C] 0 - 310 Temperature setting grange [°C] 1 Connection for ext. temperature sensor PT1000, ETS-DS, ETS-D6 Heating rate medium [K/min] 6.5 Temperature setting resolution of medium [K] 1 Adjustable safety circuit [°C] 50 - 380 Set-up plate dimensions [mm] Ø 135 Sersor in medium detection (Error 5) yes Femperature measure range PT1000 [°C] -20 - 310 Speed deviation (no load,nominal voitage, at 1500rpm + 25 °C) [%] ±2 Heating rate (11 H2O in H500) [K/min] 6.5 Heat control accuracy with Ex.PT	Speed display set-value	LED
Speed range [rpm] 50 - 1500 Setting accuracy speed [rpm] 10 Stirring bar length [rmm] 20 - 80 Self-heating of the set-up plate by max. stirring (RT:22°C/duration:1h) [K] +13 Heat output [W] 600 Temperature display set-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 Temperature setting range [°C] 1 Connection for ext. temperature sensor PT1000, ETS-D5, ETS-D6 Heating tale medium [K] 1 Connection for ext. temperature setting resolution of medium [K] 1 Adjustable safety circuit [°C] 50 - 380 Set-up plate dimensions [rmm] 6.5 Set-up plate dimensions [rmm] Aluminium alloy Set-up plate dimensions [rmm] 9 (135 Sespor in medium detection (Eror 5) yes Temperature measure range PT1000 [°C] (%) Speed deviation (no load-nominal voltage, at 1500 rpm + 25 °C) [%] ±2 Heating the plate (at 100°C) [Speed display actual-value	LED
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] +13 Heat output [W] 600 Temperature display set-value LED Temperature unit °C Heat control Room temp. + device self heating - 310 Temperature setting range [°C] Room temp. + device self heating - 310 Temperature setting range [°C] 1 Temperature setting range [°C] 1 Temperature setting resolution of heating plate [K] 1 Connection for ext. temperature sensor P1000, ETS-D5, ETS-D6 Heating tame medium [Kimin] 6.5 Temperature setting resolution of medium [K] 1 Adjustable safety circuit [°C] 50 - 360 Set-up plate dimensions [mm] Aluminium alloy Set-up plate dimensions [mm] Aluminium alloy Set-up plate dimensions [mm] £12 Sensor in medium detection (Error 5) yes Temperature measure range PT1000 [°C] £5 Heat control accuracy with Ex. PT1000 [600ml H20 in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] <td< td=""><td>Speed adjustment</td><td>Turning knob</td></td<>	Speed adjustment	Turning knob
Stirring bar length [mm] 20 - 80 Self-heating of the set-up plate by max. stirring (RT:22°C/duration:th) [K] +13 Heat output [W] 600 Temperature display set-value LED Temperature unit °C Heating temperature range [°C] Room temp. + device self heating - 310 Heat control Turning knob Temperature setting range [°C] 1 Temperature setting resolution of heating plate [K] 1 Connection for ext. temperature sensor PT1000, ETS-D5, ETS-D6 Heating rate medium [K/min] 6.5 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 (Eror 5) yes Temperature measure range PT1000 [°C] ½20 - 310 Speed deviation (no load,nominal voltage, at 1500 rpm + 25 °C) [%] ±2 Heat control accuracy with Ex Ex T1000 (Sombil H2O in 600ml beaker, 40mm stirring bar, 600 rpm, 50°C) [K] ±1 Heat control accuracy with Ex Ex D5 (500ml H2O in 600ml beaker, 40mm stirring bar, 600 rpm, 50°C) [K] ±0.5<	Speed range [rpm]	50 - 1500
Self-heating of the set-up plate by max. stirring (RT:22°C/duration:1h) [K]	Setting accuracy speed [rpm]	10
Heat output [W] Temperature display set-value LED	Stirring bar length [mm]	20 - 80
Temperature display set-value	Self-heating of the set-up plate by max. stirring (RT:22°C/duration:1h) [K]	+13
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 Temperature setting resolution of heating plate [K] 1 Connection for ext. temperature sensor PT1000, ETS-D5, ETS-D6 Heating rate medium [K/min] 6.5 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 Temperature measure range PT1000 [°C] 20 - 310 Speed deviation (no load, nominal voltage, at 1500rpm + 25 °C) [%] ±2 Heating rate (11 H2O in H1850) [K/min] 6.5 Heat control accuracy with ext. PT1000 (500ml H2O in 600ml beaker, 40mm stirring bar, 600rpm, 50°C) [K] ±1 Heat control accuracy with ETS-D6 (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] ±0.5 <td< td=""><td>Heat output [W]</td><td>600</td></td<>	Heat output [W]	600
Temperature unit °C 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 Heating rate medium [Kmin] 6.5 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 Temperature measure range PT1000 [°C] -20 - 310 Speed deviation (no load,nominal voltage, at 1500rpm + 25 °C) [%] ±2 Heating rate (11 H20 in H1500) [K/min] ±5 Heat control accuracy with ext. PT1000 (500ml H20 in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] ±1 Heat control accuracy with ETS-D5 (500ml H20 in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] ±0.5 Heat control accuracy with ETS-D6 (500ml H20 in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] ±0.2 Dimensions (W x H x D) [mm] 160 x 85 x 270 Weig	Temperature display set-value	LED
Heating temperature range [°C] Room temp. + device self heating - 310 Heat control Turning knob 0 - 310 Temperature setting range [°C] 1 Connection for ext. temperature sensor PT1000, ETS-D5, ETS-D6 Heating rate medium [K/min] 6.5 Temperature setting resolution of medium [K] 1 Adjustable safety circuit [°C] 50 - 360 Set-up plate of medium detection (Error 5) 9es Temperature measure range PT1000 [°C] -20 - 310 Spead deviation (no load,nominal voltage, at 1500rpm + 25 °C) [%] +2 Heating rate (11 H2O in H1500) [K/min] 6.5 Heat control accuracy of heating plate (at 100°C) [K] +4 Heat control accuracy with ext. PT1000 (500ml H2O in 600ml beaker, 40mm stirring bar, 600rpm, 50°C) [K] +0.5 Heat control accuracy with ETS-D5 (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 Permissible ambient temperature [°C] 5 - 40 Permissible relative humidity [%] 1942 RS 232 interface yes USB interface Yew Yes Power input [W] 50.00 Hours Yes Yes Yes Yes USB interface Yes Yes Yes USB interface Yes Yes Yes USB interface Yes Yes Yes Yes USB interface Yes Yes Yes Yes USB interface Yes Yes Yes Yes Yes Yes USB interface Yes Yes Yes Yes Yes Yes Yes Yes Yes USB interface Yes Ye	Temperature display actual-value	LED
Heat control Turning knob O - 310	Temperature unit	°C
Temperature setting range [°C]	Heating temperature range [°C]	Room temp. + device self heating - 310
Temperature setting resolution of heating plate [K] Connection for ext. temperature sensor Heating rate medium [K/min] Temperature setting resolution of medium [K] Adjustable safety circuit [°C] Set-up plate material Set-up plate material Sensor in medium detection (Error 5) Temperature measure range PT1000 [°C] Speed deviation (no load,nominal voltage, at 1500rpm + 25 °C) [%] Heating rate (11 H20 in H1500) [K/min] Heat control accuracy of heating plate (at 100°C) [K] Heat control accuracy with ETS-D5 (500ml H20 in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] Heat control accuracy with ETS-D6 (500ml H20 in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] Heat control accuracy with ETS-D6 (500ml H20 in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] Heat control accuracy with ETS-D6 (500ml H20 in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] Heat control accuracy with ETS-D6 (500ml H20 in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] Heat control accuracy with ETS-D6 (500ml H20 in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] Heat control accuracy with ETS-D6 (500ml H20 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] 2.4 Permissible ambient temperature [°C] 5 - 40 Permissible relative humidity [%] Protection class according to DIN EN 60529 IP 42 RS 232 interface USB interface yes Voltage [V] Frequency [Hz] 50/60 Fower input [W]	Heat control	Turning knob
Connection for ext. temperature sensor PT1000, ETS-D5, ETS-D6 Heating rate medium [K/min] 6.5 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 Temperature measure range PT1000 [°C] -20 - 310 Speed deviation (no load,nominal voltage, at 1500rpm + 25 °C) [%] ±2 Heating rate (11 H2O in H1500) [K/min] 6.5 Heat control accuracy of heating plate (at 100°C) [K] ±5 Heat control accuracy with ext. PT1000 (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] ±0.5 Heat control accuracy with ETS-D6 (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] ±0.5 Heat control accuracy with ETS-D6 (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] ±0.5 <td< td=""><td>Temperature setting range [°C]</td><td>0 - 310</td></td<>	Temperature setting range [°C]	0 - 310
Heating rate medium [K/min] 6.5	Temperature setting resolution of heating plate [K]	1
Temperature setting resolution of medium [K]	Connection for ext. temperature sensor	PT1000, ETS-D5, ETS-D6
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 Temperature measure range PT1000 [°C] -20 - 310 Speed deviation (no load,nominal voltage, at 1500rpm + 25 °C) [%] ±2 Heating rate (11 H2O in H1500) [K/min] 6.5 Heat control accuracy of heating plate (at 100°C) [K] 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] 2.4 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]	Heating rate medium [K/min]	6.5
Set-up plate material Aluminium alloy Set-up plate dimensions [mm] Ø 135 Sensor in medium detection (Error 5) yes Temperature measure range PT1000 [°C] -20 - 310 Speed deviation (no load, nominal voltage, at 1500rpm + 25 °C) [%] ±2 Heating rate (11 H2O in H1500) [K/min] 6.5 Heat control accuracy of heating plate (at 100°C) [K] ±5 Heat control accuracy with ext. PT1000 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] ±0.5 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] ±0.5 Dimensions (W x H x D) [mm] 160 x 85 x 270 Weight [kg] 2.4 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]	Temperature setting resolution of medium [K]	1
Set-up plate dimensions [mm] Ø 135 Sensor in medium detection (Error 5) yes Temperature measure range PT1000 [°C] -20 - 310 Speed deviation (no load,nominal voltage, at 1500rpm + 25 °C) [%] ±2 Heating rate (11 H2O in H1500) [K/min] 6.5 Heat control accuracy of heating plate (at 100°C) [K] ±5 Heat control accuracy with ext. PT1000 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] ±0.5 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] 2.4 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] 650	Adjustable safety circuit [°C]	50 - 360
Sensor in medium detection (Error 5) yes Temperature measure range PT1000 [°C] -20 - 310 Speed deviation (no load,nominal voltage, at 1500rpm + 25 °C) [%] ±2 Heating rate (11 H2O in H1500) [K/min] 6.5 Heat control accuracy of heating plate (at 100°C) [K] ±5 Heat control accuracy with ext. PT1000 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] ±0.5 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] 2.4 Permissible ambient temperature [°C] 5 - 40 Permissible relative humidity [%] 80 Protection class according to DIN EN 60529 IP 42 RS 232 interface yes Voltage [V] 220 - 230 Frequency [Hz] 50/60 Power input [W] 650	Set-up plate material	Aluminium alloy
Temperature measure range PT1000 [°C] -20 - 310 Speed deviation (no load, nominal voltage, at 1500rpm + 25 °C) [%] ±2 Heating rate (1I H2O in H1500) [K/min] 6.5 Heat control accuracy of heating plate (at 100°C) [K] ±5 Heat control accuracy with ext. PT1000 (500ml H2O in 600ml beaker, 40mm stirring bar, 600rpm, 50°C) [K] ±0.5 Heat control accuracy with ETS-D5 (500ml H2O in 600ml beaker, 40mm stirring bar, 600rpm, 50°C) [K] ±0.2 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] 2.4 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] 650	Set-up plate dimensions [mm]	Ø 135
Speed deviation (no load,nominal voltage, at 1500rpm + 25 °C) [%] ±2 Heating rate (1I H2O in H1500) [K/min] 6.5 Heat control accuracy of heating plate (at 100°C) [K] ±5 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] 2.4 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] 650	Sensor in medium detection (Error 5)	yes
Heating rate (1I H2O in H1500) [K/min] Heat control accuracy of heating plate (at 100°C) [K] Heat control accuracy with ext. PT1000 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] Heat control accuracy with ETS-D5 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] Heat control accuracy with ETS-D6 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] Dimensions (W x H x D) [mm] Weight [kg] Permissible ambient temperature [°C] Permissible relative humidity [%] Protection class according to DIN EN 60529 RS 232 interface USB interface Voltage [V] Frequency [Hz] Power input [W]	Temperature measure range PT1000 [°C]	-20 - 310
Heat control accuracy of heating plate (at 100°C) [K] Heat control accuracy with ext. PT1000 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] Heat control accuracy with ETS-D5 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] Heat control accuracy with ETS-D6 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] Dimensions (W x H x D) [mm] Weight [kg] Permissible ambient temperature [°C] Permissible relative humidity [%] Protection class according to DIN EN 60529 RS 232 interface USB interface Ves Voltage [V] Frequency [Hz] Power input [W]	Speed deviation (no load,nominal voltage, at 1500rpm + 25 °C) [%]	±2
Heat control accuracy with ext. PT1000 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] Heat control accuracy with ETS-D5 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] Heat control accuracy with ETS-D6 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] Dimensions (W x H x D) [mm] Weight [kg] Permissible ambient temperature [°C] Permissible relative humidity [%] Protection class according to DIN EN 60529 RS 232 interface USB interface Voltage [V] Frequency [Hz] Power input [W]	Heating rate (1I H2O in H1500) [K/min]	6.5
Heat control accuracy with ETS-D5 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] Heat control accuracy with ETS-D6 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] Dimensions (W x H x D) [mm] Weight [kg] Permissible ambient temperature [°C] Permissible relative humidity [%] Protection class according to DIN EN 60529 RS 232 interface USB interface Voltage [V] Frequency [Hz] Power input [W] #0.5 ±0.2 ±0.2 ±0.2 ±0.2 160 x 85 x 270 2.4 80 IP 42 yes Ves Ves Voltage [V] Frequency [Hz] Foo/60 650	Heat control accuracy of heating plate (at 100°C) [K]	±5
Heat control accuracy with ETS-D6 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) [K] Dimensions (W x H x D) [mm] Weight [kg] Permissible ambient temperature [°C] Permissible relative humidity [%] Protection class according to DIN EN 60529 RS 232 interface USB interface Voltage [V] Frequency [Hz] Power input [W] ±0.2 ±0.2 ±0.2 ±0.2 ±0.2 40 E0.2 160 x 85 x 270 2.4 80 Protection class according to DIN EN 60529 IP 42 yes yes 50/60 650	Heat control accuracy with ext. PT1000 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) [K]	±1
Dimensions (W x H x D) [mm] 160 x 85 x 270 Weight [kg] 2.4 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] 650	Heat control accuracy with ETS-D5 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) [K]	±0.5
Weight [kg] 2.4 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] 650	Heat control accuracy with ETS-D6 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) [K]	±0.2
Permissible ambient temperature [°C] 5 - 40 Permissible relative humidity [%] 80 Protection class according to DIN EN 60529 RS 232 interface yes USB interface yes Voltage [V] 220 - 230 Frequency [Hz] 50/60 Power input [W] 650	Dimensions (W x H x D) [mm]	160 x 85 x 270
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] 650	Weight [kg]	2.4
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] 650	Permissible ambient temperature [°C]	5 - 40
RS 232 interface yes USB interface yes Voltage [V] 220 - 230 Frequency [Hz] 50/60 Power input [W] 650	Permissible relative humidity [%]	80
USB interface yes Voltage [V] 220 - 230 Frequency [Hz] 50/60 Power input [W] 650	Protection class according to DIN EN 60529	IP 42
Voltage [V] 220 - 230 Frequency [Hz] 50/60 Power input [W] 650	RS 232 interface	yes
Frequency [Hz] 50/60 Power input [W] 650	USB interface	yes
Power input [W] 650	Voltage [V]	220 - 230
Power input [W] 650	Frequency [Hz]	50/60
Power input standby [W] 1.6	Power input [W]	650
	Power input standby [W]	1.6



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