

# IKA

designed for scientists



## RCT basic IKAMAG® safety control

/// Data Sheet

The improvement of the bestseller: Now with new technology for more capacity

New: New: stronger motor for a higher range of speeds

New: 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!

[www.ika.com](http://www.ika.com)

Subject to technical changes



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- Digital error code display
- 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
- Highly polished aluminium heating plate for optimum heat transfer
- Improved magnetic adhesion
- Incl. protection cover H 89

## Technical Data

Number of stirring positions	1
Stirring quantity max. per stirring position (H <sub>2</sub> O) [l]	20
Motor rating output [W]	9
Direction of rotation	right
Speed display set-value	LED
Speed display actual-value	LED
Speed control	Turning knob
Speed range [rpm]	50 - 1500
Setting accuracy speed [rpm]	1
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
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 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	650