

## Data Sheet

Mixing / Magnetic Stirrers



### RCT basic IKAMAG® safety control

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!
- 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 100

Accessories: H 135.3 Carrier plate, H 135.313 Quarter, 4 ml reaction vessel (Gold), H 135.314 Quarter, 8 ml reaction vessel (Blue), H 135.315 Quarter, 16 ml reaction vessel (Red), H 135.310 Quarter, 20 ml reaction vessel (Black), H 135.311 Quarter, 30 ml reaction vessel (Green), H 135.312 Quarter, 40 ml reaction vessel (Orange), H 135.4 Reaction block, 100 ml round flask (Black), H 135.5 Reaction block, 500 ml round flask (Purple), H 135.6 Reaction block, 1000 ml round flask (Blue), H 135.410 Insert, 10 ml round flask (Gold), H 135.411 Insert, 25 ml round flask (Blue), H 135.412 Insert, 50 ml round flask (Red), H 135.510 Insert, 200 ml round flask (Turquoise), H 135.511 Insert, 250 ml round flask (Clear), H 135.512 Insert, 300 ml round flask (Black), H 135.610 Insert, 500 ml round flask (Purple), ETS-D5, ETS-D6, IKAFLON® 10 Magnetic stirring bar, IKAFLON® 15 Magnetic stirring bar, IKAFLON® 20 Magnetic stirring bar, IKAFLON® 25 Magnetic stirring bar, IKAFLON® 30 Magnetic stirring bar, IKAFLON® 40 Magnetic stirring bar, IKAFLON® 50 Magnetic stirring bar, IKAFLON® 80 Magnetic stirring bar, TRIKA® 25 Magnetic stirring bar, TRIKA® 40 Magnetic stirring bar, RS 1 Set of magnetic stirring bars, RSE Stirring bar remover, H 100 Protective cover, PT 1000.60

#### Technical Data

Number of stirring positions	1
Stirring quantity max. per stirring position (H <sub>2</sub> O) [l]	20
Speed deviation of individual stirring positions [%]	5
Stirring quantity max. (H <sub>2</sub> O) [l]	20
Motor rating input [W]	16
Motor rating output [W]	9
Speed display	LED
Speed range [1/min]	50 - 1500
Stirring bar length max. [mm]	80
Heat output [W]	600
Heating rate (1 l H <sub>2</sub> O in H15) [K/min]	6.5
Heating temperature range [°C]	50 - 310
Heat control	LED
Heat control accuracy [±K]	1
Speed control	stepless
Adjustable safety circuit min. [°C]	50
Adjustable safety circuit max. [°C]	360
Connection for ext. temperature sensor	DIN 12 878
Control accuracy with sensor [±K]	1
Set-up plate material	Aluminium alloy
Set-up plate dimensions [mm]	Ø 135
Dimensions (W x H x D) [mm]	160 x 85 x 270
Weight [kg]	2.5
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 42
Voltage [V]	220 - 230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	650
<b>Ident. No.</b>	<b>3810000</b>

Temperature sensor, stainless steel, PT 1000.70 Temperature sensor, glass coated, H  
38 Holding rod, H 44 Boss head clamp, H 16 V Support rod, H 16.1 Extension, H 15  
Bath attachment, H 28 Bath attachment, H 29 Oil bath attachment, H 30 Oil bath  
attachment, H 11 Mains cable Euro plug, H 11 Mains cable CH plug, H 11 Mains cable  
UK plug, H 11 Mains cable USA plug