

Data Sheet

Mixing / Magnetic Stirrers



RET control visc C IKAMAG® safety control

- Safety magnetic stirrer with heating, suitable for unsupervised operation.
- Option: 1 sensor for medium temperature (PT 100) or 2 separate temperature sensors for heat transfer fluid and medium (PT 1000) available (automatic identification)
 - 2 adjustable safety circuits
 - Stirring bar crack detection
 - With white coated surface (chemical resistant)
 - Setting acc. medium temperature: 0,5 K
 - HOT warning display indicating presence of any residual heat when the unit is switched off
 - Easy-to-read backlit LCS display
 - Display resolution actual medium temperature: 0,1 K (RT to 100 °C); 1 K (from 100 °C upwards)
 - Fuzzy control and microprocessor technology guarantee maximum control accuracy
 - PC control via RS 232 interface, with optional safety function
 - Software labworldsoft® is available to control and document all measuring values via PC
 - HOT visual warning for hot heating plate
 - 3 modes of operation, e.g. stirring and heating functions can be secured against inadvertent changes of set parameters
 - Viscosity trend display
 - Enclosed assembly (IP 42) guarantees long service life
 - Incl. Protection cover H 99

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), 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,

Subject to technical changes

Technical Data	
Number of stirring positions	1
Stirring quantity max. per stirring position (H2O) [l]	20
Stirring quantity max. (H2O) [l]	20
Motor rating input [W]	12
Motor rating output [W]	5
Speed display	LCD
Speed range [1/min]	0 - 1500
Stirring bar length max. [mm]	80
Heat output [W]	600
Heating rate (1 l H2O in H15) [K/min]	6
Heating temperature range [°C]	room temp. - 300
Heat control accuracy [±K]	1
Fixed safety circuit [°C]	370
Adjustable safety circuit min. [°C]	100
Adjustable safety circuit max. [°C]	300
Connection for ext. temperature sensor	PT 100
Control accuracy with sensor [±K]	.2
Set-up plate material	technical enamel
Set-up plate dimensions [mm]	Ø 135
Dimensions (W x H x D) [mm]	160 x 97 x 280
Weight [kg]	2.8
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 42
RS 232 interface	yes
Analog output	yes
Voltage [V]	220 - 230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	630
Ident. No.	3364100