

# Product Data Sheet



## RET control visc 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 stainless steel surface
  - 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

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]	7
Heating temperature range [°C]	room temp. - 340	Heat control [-]	stepless
Heat control accuracy [±K]	1	Speed control [-]	stepless
Adjustable safety circuit min. [°C]	50	Adjustable safety circuit max. [°C]	350
Connection for ext. temperature sensor [-]	PT 100	Control accuracy with sensor [±K]	0.2
Set-up plate material [-]	stainless steel 1.4301	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
Frequency [Hz]	50/60	Power input [W]	630