

# IKA

designed for scientists



## C-MAG HS 10 digital

/// Data Sheet

Magnetic stirrer with heating and ceramic heating plate which offers excellent chemical resistance.

- Powerful motor for stirring quantities of up to 15 l (H<sub>2</sub>O)
- Simultaneous digital display of target and actual temperatures via LCD display
- Directly connection for a PT 1000 temperature sensor enable a precise temperature control (included in delivery)
- Control accuracy in medium +/- 0,5 K (in combination with PT 1000)
- Display of actual temperature value in medium with 0,1 K resolution when using PT 1000 temperature sensor
- 3 operating modes to choose (standard, safe, adjustment protection)
- Fixed safety circuit of 550 °C

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

Subject to technical changes





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- Hot Top indicator >> hot surface warning to prevent burns!
- Digital error code display
- Elevated control panel for protection against leaking liquids



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## Technical Data

|   |                 |
|---|-----------------|
| Number of stirring positions  | 1               |
| Stirring quantity max. per stirring position (H <sub>2</sub> O) [l]         | 15              |
| Maximum load [kg]   | 20              |
| Motor rating output [W]   | 1.5             |
| Speed adjustment  | scale 0 - 6     |
| Speed range [rpm]   | 100 - 1500      |
| Stirring bar length max. [mm]   | 80              |
| Self-heating of the set-up plate by max. stirring (RT:22°C/duration:1h) [K] | +2              |
| Heat output [W]   | 1500            |
| Temperature display set-value   | LCD             |
| Temperature display actual-value  | LCD             |
| Heating temperature range [°C]  | 50 - 500        |
| Heat control  | Turning knob    |
| Temperature setting resolution of heating plate [K]                         | 5               |
| Connection for ext. temperature sensor                                      | PT1000          |
| Fixed safety circuit [°C]   | 550             |
| Set-up plate material   | ceramic         |
| Set-up plate dimensions [mm]  | 260 x 260       |
| Heating rate (1l H <sub>2</sub> O in H1500) [K/min]                         | 5               |
| Dimensions (W x H x D) [mm]   | 300 x 105 x 415 |
| Weight [kg]   | 8.308           |
| Permissible ambient temperature [°C]  | 5 - 40          |
| Permissible relative humidity [%]   | 80              |
| Protection class according to DIN EN 60529                                  | IP 21           |
| Voltage [V]   | 120             |
| Frequency [Hz]  | 50/60           |
| Power input [W]   | 1520            |