



designed for scientists



C-MAG HS 7 control

/// Data Sheet

The IKA C-Mag HS 7 control has a square top made of ceramic. It stirs volumes of up to 20l (H₂O) and runs at speeds ranging from 50-1500rpm. IKA's stands strongly by its product and technology and is offering a lifetime warranty for this product – scientists can focus on their experiments using a reliable hotplate stirrer. IKA not only focuses on hardened glass because of visibility, chemical resistance and safety, it also optically changes the game of a magnetic stirrer with a glass surface. The C-Mag HS 7 control improves over time with regular firmware updates – control of kinetics and sensitive reactions are supported by the integrated timer and counter function – the IKA SmartTemp® function protects user intelligently. PT1000 temperature sensor included.



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Technical Data

| | |
|---|------------------------|
| Number of stirring positions | 1 |
| Stirring quantity max. per stirring position (H ₂ O) [l] | 20 |
| Motor rating output [W] | 9 |
| Direction of rotation | right / left |
| Speed display set-value | LCD |
| Speed display actual-value | LCD |
| Speed control | Turning knob |
| Speed range [rpm] | 50 - 1500 |
| Setting accuracy speed [rpm] | 10 |
| Stirring bar length [mm] | 30 - 80 |
| Self-heating of the set-up plate by max. stirring (RT:22°C/duration:1h) [+K] | 2 |
| Heat output [W] | 1000 |
| Temperature display set-value | LCD |
| Temperature display actual-value | LCD |
| Temperature unit | °C |
| Heating temperature range [°C] | room temp. - 500 |
| Heat control | Turning knob |
| Temperature setting range [°C] | 0 - 500 |
| Temperature setting resolution of heating plate [K] | 5 |
| Connection for ext. temperature sensor | PT1000, ETS-D5, ETS-D6 |
| Temperature setting resolution of medium [K] | 1 |
| Adjustable safety circuit [°C] | 100 - 650 |
| Set-up plate material | ceramic |
| Set-up plate dimensions [mm] | 180 x 180 |
| Automatic reverse rotation | yes |
| Intermittend mode | yes |
| Viscosity trend measurement | yes |
| Timer | yes |
| Sensor in medium detection (Error 5) | yes |
| Temperature measure range PT1000 [°C] | -10 - 400 |
| Speed deviation (no load, nominal voltage, at 1500rpm + 25 °C) [±%] | 2 |
| Heating rate (1l H ₂ O in H1500) [K/min] | 5 |
| Heat control accuracy of heating plate (at 100°C) [±K] | 5 |
| Heat control accuracy with ext. PT1000 (500ml H ₂ O in 600ml beaker, 40mm stirring bar, 600rpm, 50°C) [±K] | 0.5 |
| Heat control accuracy with ETS-D5 (500ml H ₂ O in 600ml beaker, 40mm stirring bar, 600rpm, 50°C) [±K] | 0.5 |
| Heat control accuracy with ETS-D6 (500ml H ₂ O in 600ml beaker, 40mm stirring bar, 600rpm, 50°C) [±K] | 0.2 |
| Dimensions (W x H x D) [mm] | 220 x 88 x 354 |
| Weight [kg] | 4 |
| Permissible ambient temperature [°C] | 5 - 40 |
| Permissible relative humidity [%] | 80 |
| Protection class according to DIN EN 60529 | IP 21 |
| RS 232 interface | yes |
| USB interface | yes |
| Voltage [V] | 220 - 230 / 115 / 100 |
| Frequency [Hz] | 50/60 |
| Power input [W] | 1020 |
| Power input standby [W] | 2 |

