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C-MAG HS 7 control Package

/// 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.

Package includes

C-MAG HS 7 control

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H 38 Holding rod
H 16 V Support rod
H 44 Boss head clamp

Technical Data

Number of stirring positions	1
Stirring quantity max. per stirring position (H2O) [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 hotplate 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 H2O in H1500) [K/min]	5
Heat control accuracy of heating plate (at 100°C) [±K]	5
Heat control accuracy with ext. PT1000 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) [±K]	0.5
Heat control accuracy with ETS-D5 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) [±K]	0.5
Heat control accuracy with ETS-D6 (500ml H2O 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

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Frequency [Hz]	50/60
Power input [W]	1020
Power input standby [W]	2