C-MAG HS 7 control

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.

Accessories: PT 1000.70 Temperature sensor, glass coated, PT 1000.80 Temperature sensor, stainless steel, PT 1000.90 Temperature sensor, coated, H 16 V Support rod, H 16.3 Extension, H 44 Boss head clamp, H 38 Holding rod, H 29 Oil bath attachment, H 30 Oil bath attachment, H 1000, H 1500, H 3000, H 5000, H 8000, IKAFLON® 155 Magnetic stirring bar, IKAFLON® 10 Set (5 Pcs) round PTFE-coated Magnetic stirring bars, IKAFLON® 15 Set (5 Pcs) round PTFE-coated Magnetic stirring bars, IKAFLON® 20 Set (5 Pcs) round PTFE-coated Magnetic stirring bars, IKAFLON® 25 Set (5 Pcs) round PTFE-coated Magnetic stirring bars, IKAFLON® 30 Set (5 Pcs) round PTFE-coated Magnetic stirring bars, IKAFLON® 40 Set (5 Pcs) round PTFE-coated Magnetic stirring bars, IKAFLON® 50 Set (5 Pcs) round PTFE-coated Magnetic stirring bars, IKAFLON® 80 Set (5 Pcs) round PTFE-coated Magnetic stirring bars, IKAFLON® glass 25 Set (5 Pcs) round Magnetic stirring bars, IKAFLON® glass 30 Set (5 Pcs) round Magnetic stirring bars, IKAFLON® glass 40 Set (5 Pcs) round Magnetic stirring bars, IKAFLON® glass 50 Set (5 Pcs) round Magnetic stirring bars, IKAFLON® 20 Set (5 Pcs) power SmSo PTFE-coated Magnetic stirring bars, IKAFLON® 30 Set (5 Pcs) power SmSo PTFE-coated Magnetic stirring bars, IKAFLON® 50 Set (5 Pcs) power SmSo PTFE-coated Magnetic stirring bars, IKAFLON® 25 Set (5 Pcs) slide round PTFE-coated Magnetic stirring bars, IKAFLON® 30 Set (5 Pcs) slide round PTFE-coated Magnetic stirring bars, IKAFLON® 40 Set (5 Pcs) slide round PTFE-coated Magnetic stirring bars, IKAFLON® 50 Set (5 Pcs) slide round PTFE-coated Magnetic stirring bars, IKAFLON® 20 Set (5 Pcs) ellipse PTFE-coated Magnetic stirring bars, IKAFLON® 25 Set (5 Pcs) ellipse PTFE-coated Magnetic stirring bars, IKAFLON® 30 Set (5 Pcs) ellipse PTFE-coated Magnetic stirring bars, IKAFLON® 35 Set (5 Pcs) ellipse PTFE-coated Magnetic stirring bars, IKAFLON® 40 Set (5 Pcs) ellipse PTFE-coated Magnetic stirring bars, IKAFLON® 50 Set (5 Pcs) ellipse PTFE-coated Magnetic stirring bars, IKAFLON® 60 Set (5 Pcs) ellipse PTFE-coated Magnetic stirring bars, IKAFLON® 70 Set (5 Pcs) ellipse PTFE-coated Magnetic stirring bars, IKAFLON® 10 Set (5 Pcs) cross PTFE-coated Magnetic stirring bars, IKAFLON® 20 Set (5 Pcs) cross PTFE-coated Magnetic stirring bars, IKAFLON® 25 Set (5 Pcs) cross PTFE-coated Magnetic stirring bars, IKAFLON® 30 Set (5 Pcs) cross PTFE-coated Magnetic stirring bars, IKAFLON® 38 Set (5 Pcs) cross PTFE-coated Magnetic stirring bars, IKAFLON® 37 Set (5 Pcs) bone PTFE-coated Magnetic stirring bars, IKAFLON® 54 Set (5 Pcs) bone PTFE-coated Magnetic stirring bars, TRIKA® 25 Set (5 Pcs) PTFE-coated Magnetic stirring bars, TRIKA® 35 Set (5 Pcs) PTFE-coated Magnetic stirring bars, TRIKA® 55 Set (5 Pcs) PTFE-coated Magnetic stirring bars, TRIKA® 80 Set (5 Pcs) PTFE-coated Magnetic stirring bars, IKAFLON® 67 (1 Pc) beaker PTFE-coated Magnetic stirring bars, IKAFLON® 74 (1 Pc) beaker PTFE-coated Magnetic stirring bars, IKAFLON® 103 (1 Pc) beaker PTFE-coated Magnetic stirring bars, IKAFLON® 125 (1 Pc) beaker PTFE-coated Magnetic stirring bars, IKAFLON® 9 Set (5 Pcs) crown PTFE-coated Magnetic stirring bars, RS 1 Set of magnetic stirring bars, RS 2 Set of magnetic stirring bars, RSE Stirring bar remover, H 11 Mains cable Euro plug, H 135.10 Square carrier without handle, H 135.11 Square carrier with handle, H 135.101 Block 16 x 4 ml, H 135.102 Block 16 x 8 ml, H 135.103 Block 9 x 16 ml, H 135.104 Block 4 x 20 ml, H 135.105 Block 4 x 30 ml, H 135.106 Block 4 x 40 ml, H 135.107 Block 100 ml, H 135.108 Block 250 ml, H 135.20 Flask carrier 100 ml without handle, H 135.21 Flask carrier 100 ml with handle, H 135.201 Flask inlay 10 ml, H 135.202 Flask inlay 25 ml, H 135.203 Flask inlay 50 ml, H 135.25 Flask carrier 250 ml without handle, H 135.26 Flask carrier 250 ml with handle, H 135.30 Flask carrier 500 ml without handle, H 135.31 Flask carrier 500 ml with handle, H 135.301 Flask inlay 100 ml, H 135.302 Flask inlay 250 ml, H 135.40 Flask carrier 1000 ml without handle, H 135.41 Flask carrier 1000 ml with handle, H 135.401 Flask inlay 500 ml , H 135.50 Flask carrier 2000 ml without handle, H 135.51 Flask carrier 2000 ml with handle, H 135.501 Flask inlay 1000 ml , C-MAG Adapter, HG 600 Heating jacket, HG 1000 Heating jacket, BC 1000 Beaker cap, LABLIFT m, labworldsoft®, PC 1.1 Cable

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 min. [mm]	30
Stirring bar length max. [mm]	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 min. [°C]	0
Temperature setting range max. [°C]	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 min. [°C]	100
Adjustable safety circuit max. [°C]	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
Break detection stirring bar	no
Timer	yes
pH measurement	no
Graph function	no
Programs	no
Sensor in medium detection (Error 5)	yes
Weighing function	no
Temperature measure range PT1000 min. [°C]	-10
Temperature measure range PT1000 max. [°C]	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
Analog output	no
Voltage [V]	220 - 230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	1020
Power input standby [W]	2
Ident. No.	**0020002694**