

## Data Sheet

Mixing / Magnetic Stirrers



### C-MAG HS 7 digital IKAMAG®

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

- Powerful motor for stirring quantities of up to 10 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
- Hot Top indicator >> hot surface warning to prevent burns!
- Digital error code display
- Elevated control panel for protection against leaking liquids

Accessories: H 38 Holding rod, H 44 Boss head clamp, RS 1 Set of magnetic stirring bars, IKAFLON® 50 Set (5 Pcs) slide round PTFE-coated Magnetic stirring bars, IKAFLON® 9 Set (5 Pcs) crown PTFE-coated Magnetic stirring bars, IKAFLON® 125 (1 Pc) beaker PTFE-coated Magnetic stirring bars, 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)

#### Technical Data

Number of stirring positions	1
Stirring quantity max. (H <sub>2</sub> O) [l]	10
Motor rating input [W]	15
Motor rating output [W]	1.5
Speed display	scale
Speed range [rpm]	100 - 1500
Stirring bar length max. [mm]	80
Heat output [W]	1000
Heating rate (1 l H <sub>2</sub> O in H15) [K/min]	5
Heating temperature range [°C]	50 - 500
Heat control	stepless
Heat control accuracy [±K]	1
Speed control	scale 1-10
Fixed safety circuit [°C]	550
Connection for ext. temperature sensor	PT1000
Control accuracy with sensor [±K]	0.5
Temperature constancy in medium [±K]	0.5
Accuracy of temperature measurement [K]	±0.2 + tolerance PT1000 (DIN IEC 751 Class A)
Temperature measurement resolution [K]	0.1
Set-up plate material	ceramic
Set-up plate dimensions [mm]	180 x 180
Dimensions (W x H x D) [mm]	215 x 105 x 330
Weight [kg]	5
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 21
Voltage [V]	230 / 120 / 100
Frequency [Hz]	50/60
Power input [W]	1020

Ident. No.

0003487000

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® 15 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, RS 2 Set of 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® 40 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, RSE Stirring bar remover, H 16  
V Support rod, LABLIFT m