

## 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 (H2O)
- 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. (H2O) [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 H2O 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  |
| <b>Ident. No.</b>                          | <b>0003487001</b>                             |

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® 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, RSE Stirring bar remover, H 16  
V Support rod, LABLIFT m