



designed for scientists



## MINISTAR 40 digital

/// Data Sheet

The space-saving high performers from IKA MICROSTAR and MINISTAR series have been complemented by additional models. The new and easy-to-use stirrers convince with perfect basic functionalities, as well as with a compact design.

Combining high performance with particular excellence, they require minimum space and come with a lifetime guarantee. See for yourself:

Compact design

The reduced design and the focus on the most essential aspects make the new IKA MICROSTAR and MINISTAR

[www.ika.com](http://www.ika.com)

Subject to technical changes



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stirrers reliable laboratory companions.

#### Constant torque

All models of the IKA MICROSTAR and MINISTAR series guarantee a constant torque over the entire rpm range. The new devices are available in six different versions with rpms of up to 2,000 rpm and a torque of up to 80 Ncm.

#### Ease of operation

Operation takes place using a stable rotary knob. The display clearly shows the rotational speed.

#### Rapid updates

Regular software updates can be undertaken rapidly and simply via the USB interface.

## Technical Data

|  |  |
|--|--|
| Stirring quantity max. per stirring position (H2O) [l] | 25                                       |
| Motor rating input [W]                                 | 60                                       |
| Motor rating output [W]                                | 46                                       |
| Motor principle  | Brushless DC                             |
| Speed display  | LED                                      |
| Speed min. [rpm]                                       | 50                                       |
| Speed min. [rpm]                                       | 0/50                                     |
| Speed max. [rpm]                                       | 1000                                     |
| Viscosity max. [mPas]                                  | 30000                                    |
| Output max. at stirring shaft [W]                      | 42                                       |
| Permissible ON time [%]                                | 100                                      |
| Torque max. at stirring shaft [Ncm]                    | 40                                       |
| Speed control  | Turning knob                             |
| Setting accuracy speed [±rpm]                          | 1  |
| Deviation of speed measurement n > 300rpm [±%]         | 1  |
| Deviation of speed measurement n < 300rpm [±rpm]       | 3  |
| Stirring element fastening                             | chuck                                    |
| Chuck range diameter [mm]                              | 0.5 - 8                                  |
| Hollow shaft, inner diameter [mm]                      | 8.5                                      |
| Hollow shaft (push-through - when stopped)             | yes                                      |
| Fastening on stand                                     | extension arm                            |
| Extension arm diameter [mm]                            | 13                                       |
| Extension arm length [mm]                              | 160                                      |
| Nominal torque [Nm]                                    | 0.4                                      |
| Timer display  | none                                     |
| Housing material                                       | alu-cast coating / thermoplastic polymer |
| Dimensions (W x H x D) [mm]                            | 70 x 193 x 147                           |
| Weight [kg]  | 1.72                                     |
| Permissible ambient temperature [°C]                   | 5 - 40                                   |
| Permissible relative humidity [%]                      | 80                                       |
| Protection class according to DIN EN 60529             | IP 54                                    |
| USB interface  | yes                                      |
| Voltage [V]  | 100 - 240                                |
| Frequency [Hz]   | 50/60                                    |
| Power input [W]  | 69                                       |
| Power input standby [W]                                | 0.5                                      |
| DC Voltage [V=]  | 24                                       |
| Current consumption [mA]                               | 2900                                     |