

IKA

designed for scientists

EN



SPACE-SAVING STIRRING | IKA NANO-, MICRO- and MINISTAR series

NANO- MICRO- and MINISTARS

/// The new compact stirrers

The space-saving high performers of the IKA NANOSTAR, MICROSTAR and MINISTAR series convince with perfect basic functionalities, have a compact design and are easy-to-use.

Lifetime warranty for
MICRO- & MINISTAR



Compact design

The reduced design and the focus on the most essential aspects make the IKA NANOSTAR, MICROSTAR and MINISTAR stirrers reliable laboratory companions.

Constant torque

All models of the IKA NANOSTAR, MICROSTAR and MINISTAR series guarantee a constant torque over the entire rpm range. The stirrers MICROSTAR and MINISTAR are available in six different versions with rpms of up to 2 000 rpm and a torque of up to 80 Ncm, each in a digital or control variant. The latest model NANOSTAR is as 7.5 digital version available.

Ease of operation

Operation takes place using a stable rotary knob. The display of the digital version clearly shows the rotational speed, while the display of the control version shows further information, such as medium temperature or torque. The integrated timer and counter function enables the monitoring of sensitive chemical reactions.



NANOSTAR



MICROSTARS



MINISTARS





Special safety precautions

The display of the stirrers is made of hardened and chemical-resistant glass, thus ensuring maximum safety. In addition, the state-of-the-art vibration sensors integrated in the control version detect deviations from permissible thresholds and automatically stop the process. The external, low-voltage power supply unit also contributes to increased safety.

Fast updates

Periodic software updates can be carried out quickly and easily via the USB interface. In addition, PC control and documentation of the test parameters is possible via the interface of the control devices.

NANOSTAR 7.5 digital
Ident. No. 0025004356

MICROSTAR 7.5 digital
Ident. No. 0025004715

MICROSTAR 15 digital
Ident. No. 0025004883

MICROSTAR 30 digital
Ident. No. 0025004884

MICROSTAR 7.5 control
Ident. No. 0025001984

MICROSTAR 15 control
Ident. No. 0025001986

MICROSTAR 30 control
Ident. No. 0025001987

MINISTAR 20 digital
Ident. No. 0025004885

MINISTAR 40 digital
Ident. No. 0025004886

MINISTAR 80 digital
Ident. No. 0025004887

MINISTAR 20 control
Ident. No. 0025001988

MINISTAR 40 control
Ident. No. 0025001989

MINISTAR 80 control
Ident. No. 0025001990

Technical data

TECHNICAL DATA

| | NANOSTAR 7.5 DIGITAL |
|---|-----------------------------------|
| Stirring quantity max. (H ₂ O) | 5 l |
| Speed | min.: 0/50 rpm max.: 2 000 rpm |
| Viscosity max. | 4 000 mPas |
| Torque max. at stirring shaft | 7,5 Ncm |
| Dimensions (W × H × D) | 53 × 147 × 130 mm |
| Weight | 0,8 kg |



NEW!

TECHNICAL DATA

| | MICROSTAR 7.5 DIGITAL CONTROL | MICROSTAR 15 DIGITAL CONTROL | MICROSTAR 30 DIGITAL CONTROL | MINISTAR 20 DIGITAL CONTROL | MINISTAR 40 DIGITAL CONTROL | MINISTAR 80 DIGITAL CONTROL |
|---|---|---|---|-------------------------------------|---|---|
| Stirring quantity max. (H ₂ O) | 5 l | 10 l | 20 l | 15 l | 25 l | 50 l |
| Speed | digital: 0/50 rpm control: 0/30 rpm max.: 2 000 rpm | digital: 0/50 rpm control: 0/30 rpm max.: 1 000 rpm | digital: 0/50 rpm control: 0/30 rpm max.: 500 rpm | min.: 0/50 rpm max.: 2 000 rpm | digital: 0/50 rpm control: 0/30 rpm max.: 1 000 rpm | digital: 0/50 rpm control: 0/30 rpm max.: 500 rpm |
| Viscosity max. | 4 000 mPas | 8 000 mPas | 20 000 mPas | 10 000 mPas | 30 000 mPas | 60 000 mPas |
| Torque max. at stirring shaft | 7,5 Ncm | 15 Ncm | 30 Ncm | 20 Ncm | 40 Ncm | 80 Ncm |
| Dimensions (W × H × D) | 60 × 173 × 126 mm | | | 70 × 193 × 147 mm | | |
| Weight | 1,18 kg | 1,26 kg | 1,26 kg | 1,56 kg | 1,72 kg | 1,72 kg |

GENERAL TECHNICAL DATA

| | NANO- MICRO- AND MINISTAR DIGITAL CONTROL |
|---|---|
| Speed display | LED LCD |
| Permissible ON time | 100 % |
| Motor type | Brushless DC |
| Setting accuracy speed | ± 1 rpm |
| Deviation of speed measurement n > 300 rpm | ± 1 % |
| Deviation of speed measurement n < 300 rpm | ± 3 rpm |
| Plug-in coupling | 5,5 mm (Ø) |
| Chuck range diameter | min. 0,5 mm max. 8 mm |
| Hollow shaft (push-through - when stopped) | Yes |
| Housing material | Alu-cast coating/ thermoplastic polymer |
| Protection class according to DIN EN 60529 | IP 54 |
| Interface | USB |



Additional products

If required, the following IKA devices are available for your lab to enhance stirring with the IKA NANO-, MICRO- and MINISTAR:



IKA [scale]
Stand scale
Ident. No. 0025004318



IKA Plate (RCT digital)
Magnetic stirrer
Ident. No. 0025004601



T 25 easy clean digital
High-performance disperser
Ident. No. 0025002560

Accessories NANO-, MICRO- and MINISTAR digital



R 1303 Dissolver stirrer

Radial flow, for drawing the material to be mixed from the top and bottom. High turbulence, high shearing forces. Particle reduction. Used at medium to high speeds.

Ident. No. 0002746700



R 1381 Propeller stirrer, 3-bladed

Flow-efficient design. For drawing the material to be mixed from the top and bottom. Minimum shearing forces. Used at medium to high speeds.

Ident. No. 0001296000



R 1825 Plate stand

With slip resistant foil. Diameter of support rod: 16 mm; max. load: 5 kg; Dimensions (W x D): 200 x 316 mm; Height: 560 mm.

Ident. No. 0003160000