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IKA 0025005389

# IKA Plate (RCT Digital) Magnetic Stirrer User Manual

Model: 0025005389

## PRODUCT OVERVIEW

The IKA Plate (RCT Digital) Magnetic Stirrer is designed for efficient mixing and temperature control of liquids in laboratory settings. It features a hardened glass surface for chemical resistance and clear visibility, along with Alnico magnetic technology for stable temperature and high residual induction. An integrated timer and counter function supports precise control of reactions.



This image displays the IKA Plate RCT Digital Magnetic Stirrer, a laboratory device used for mixing liquids. It features a black base with a silver stirring plate on top. The digital display shows current temperature, target temperature, and stirring speed. Control knobs are located on the front panel.

## SETUP

1. **Unpacking:** Carefully remove the magnetic stirrer and all accessories from the packaging. Retain the packaging for future transport or storage.
2. **Placement:** Place the stirrer on a stable, level, and non-flammable surface. Ensure adequate ventilation around the unit. The dimensions of the unit are approximately 160 mm (W) x 85 mm (H) x 270 mm (D).
3. **Power Connection:** Connect the power cord to the stirrer and then to a grounded electrical outlet. Verify that the local power supply matches the voltage requirements specified on the device label.
4. **Temperature Sensor Connection:** If external temperature control is desired, connect the supplied PT 1000.60 temperature sensor to the designated port on the rear of the unit. Ensure the sensor is properly immersed in the liquid to be stirred.

## OPERATING INSTRUCTIONS

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### Basic Operation

1. **Power On:** Press the power button to turn on the device. The digital display will illuminate.
2. **Setting Stirring Speed:** Use the speed control knob (typically labeled "Speed" or indicated by an RPM icon) to adjust the desired stirring speed. The speed range is 50 to 1,500 RPM. The current speed will be displayed.
3. **Setting Temperature:** If using the external PT 1000.60 temperature sensor, use the temperature control knob to set the target temperature. The device can heat up to 370 °C. The current and target temperatures will be displayed.
4. **Timer and Counter Function:** The integrated timer and counter function can be accessed via the control panel. Refer to the on-screen prompts or specific button icons for setting reaction duration or counting cycles.

### Safety Precautions

- Always operate the stirrer on a stable surface.
- Do not exceed the maximum stirring volume of 20 liters (H<sub>2</sub>O).
- Ensure the stirring bar is centered and appropriate for the vessel.
- Avoid contact with the hot plate surface during and after operation until it has cooled down.
- Wear appropriate personal protective equipment (PPE) when handling chemicals.

## MAINTENANCE

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- **Cleaning:** Disconnect the device from the power supply before cleaning. Clean the hardened glass surface and the housing with a damp cloth and a mild detergent. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the power cord for any damage. Check the stirring plate for scratches or wear that could affect performance.
- **Storage:** When not in use, store the stirrer in a clean, dry environment, protected from dust and extreme temperatures.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device does not power on.	No power supply; power cord disconnected; faulty outlet.	Check power cord connection; try a different outlet; ensure power switch is on.
Stirring bar does not rotate or rotates erratically.	Stirring bar not centered; stirring bar too large/small; liquid too viscous; insufficient speed setting.	Center the stirring bar; use an appropriate stirring bar; reduce liquid viscosity; increase speed setting.
Temperature not reaching set point.	External sensor not connected or improperly placed; heating element issue; ambient temperature too low.	Ensure PT 1000.60 sensor is correctly connected and immersed; contact support if heating element is suspected.
Display error message.	Internal fault; sensor error.	Refer to the device's specific error code documentation (if available); power cycle the device; contact support.

## SPECIFICATIONS


- Model:** IKA Plate (RCT Digital)
- Model Number:** 0025005389
- ASIN:** B07R24RCP8
- Speed Range:** 50 - 1,500 RPM
- Max. Stirring Volume (H2O):** 20 liters
- Temperature Range:** Ambient to 370 °C (with PT 1000.60 sensor)
- Heating Plate Material:** Hardened glass
- Dimensions (W x H x D):** 160 mm x 85 mm x 270 mm
- Included Accessories:** PT 1000.60 temperature sensor

## WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact IKA customer service. Ensure you have your model number (0025005389) and ASIN (B07R24RCP8) available when contacting support.




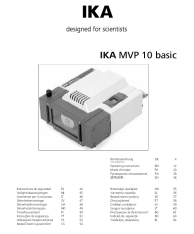

You can find contact details on the official IKA website or through your local distributor.

### Related Documents - 0025005389

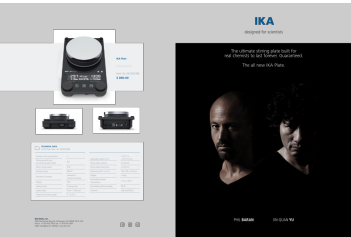


[IKA C-MAG Series Operating Manual: Magnetic Stirrers and Hotplates](#)

This operating manual provides comprehensive instructions for the IKA C-MAG series of magnetic stirrers and hotplates, covering safety, operation, maintenance, and technical specifications for models like C-MAG HS4, HP4, HS7, HP7, HS10, HP10, MS4, MS7, and MS10.

	<p><a href="#">IKA C-MAG HS Digital Hotplate Stirrers: Operating Manual &amp; Technical Data</a></p> <p>This document provides operating instructions, safety guidelines, technical specifications, and maintenance information for the IKA C-MAG HS 4, HS 7, and HS 10 digital hotplate stirrers.</p>
	<p><a href="#">IKA RW 20 digital Mechanical Overhead Stirrer Operating Instructions</a></p> <p>Comprehensive operating instructions for the IKA RW 20 digital mechanical overhead stirrer, covering safety, usage, maintenance, technical specifications, and troubleshooting.</p>
	<p><a href="#">IKA Cooker Hood User Manual: Installation, Operation, and Maintenance</a></p> <p>Comprehensive user manual for IKA cooker hoods, including models IKA-LEXINGTON, IKA-MUNICH, IKA-BADEN, and IKA-DRESDEN. This guide covers essential safety precautions, detailed specifications, packing lists, product diagrams, installation methods, electrical schematics, operating instructions, maintenance tips, and troubleshooting advice.</p>
	<p><a href="#">IKA MVP 10 basic Vakuu-Membranpumpe: Bedienungsanleitung und technische Daten</a></p> <p>Umfassende Bedienungsanleitung für die IKA MVP 10 basic Vakuu-Membranpumpe. Enthält Sicherheitshinweise, technische Daten, Wartung und Fehlerbehebung für Laboranwendungen.</p>
	<p><a href="#">IKA A11 basic Operating Instructions</a></p> <p>Comprehensive operating instructions for the IKA A11 basic analysis mill, detailing its use, maintenance, safety, and technical specifications for laboratory applications.</p>

Documents - IKA – 0025005389



[pdf] Dimension Guide Flyer Catalog

IKA RCTdigital LAB IWW EN USD 210x280 170209 freigabe ika flyer catalog

IKA Plate Ident. No. **0025005389** 890.00 TECHNICAL DATA /// IKA Plate, Ident. No. **0025005389** Number of stirring positions Stirring quantity max. per stirring position H2O Motor rating output Heating output Direction of rotation Display Speed control Speed range Temperature setting range 1 20 l ...

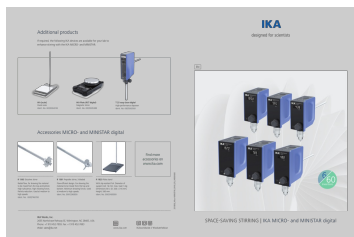
lang:en score:29 filesize: 158.46 K page\_count: 2 document date: 2017-02-09



### [\[pdf\]](#) Flyer Catalog

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EN DIN EN IEC 61010-1 DIN EN IEC 61010-2-010 DIN EN IEC 61010-2-051 DIN EN IEC 61326-1 HEAT SAFELY ... IKA MAGNETIC STIRRERS Devices with adjustable safety circuit: IKA Plate RCT digital Ident. No.: **0025005389** RET control-visc Ident. No.: 0005020001 C-MAG HS 7 control Ident. No.: 0020002695 RCT 5 d...  
lang:en score:26 filesize: 1.51 M page\_count: 6 document date: 2024-08-08



### [\[pdf\]](#) Dimension Guide Flyer Accessories

IKA Microstar Ministar Flyer lib store yahoo net yhst 47024838256514

Additional products If required, the following IKA devices are available for your lab to enhance stirring with the IKA MICRO- and MINISTAR: EN IKA scale Stand scale Ident. No. 0025004318 IKA Plate RCT digital Magnetic stirrer Ident. No. **0025005389** T 25 easy clean digital High-performance disp...  
lang:en score:25 filesize: 1018.91 K page\_count: 2 document date: 2018-08-27