

# IKA RW11 basic



*BETRIEBSANLEITUNG* D 3

*OPERATING INSTRUCTIONS* GB 7

*MODE D'EMPLOI* F 11



## CE-KONFORMITÄTSERKLÄRUNG

**D**

Wir erklären in alleiniger Verantwortung, daß dieses Produkt den Bestimmungen der Richtlinien 89/336EWG; und 73/023EWG entspricht und mit den folgenden Normen und normativen Dokumenten übereinstimmt: EN 60 010-1; EN 55 014; EN 50 082-1; EN 60 555-2, -3; UL 3101.1 und CAN/CSA C22.2 (1010.1).

## CE-DECLARATION OF CONFORMITY

**GB**

We declare under our sole responsibility that this product corresponds to the regulations 89/336EEC and 73/023EEC and conforms with the standards or standardized documents EN 60 010-1; EN 55 014; EN 50 082-1; EN 60 555-2, -3; UL 3101.1 and CAN/CSA C22.2 (1010.1).

## DÉCLARATION DE CONFORMITÉ CE

**F**

Nous déclarons sous notre propre responsabilité que se produit est conforme aux réglementations 89/336CEE et 73/023CEE et en conformité avec les normes ou documents normalisés suivant EN 60 010-1; EN 55 014; EN 50 082-1; EN 60 555-2, -3; UL 3101.1 and CAN/CSA C22.2 (1010.1).

IKA WERKE GmbH & CO. KG

Staufen, den 21. April 1997



Reiner Dietsche  
Geschäftsleitung



Wolfgang Buchmann  
Leitung Qualitätssicherung

## Garantie

Sie haben ein Original IKA-Laborgerät erworben, das in Technik und Qualität höchsten Ansprüchen gerecht wird.

Entsprechend den IKA - Verkaufs- und Lieferbedingungen beträgt die Garantiezeit 12 Monate. Im Garantiefall wenden Sie sich bitte an Ihren Fachhändler. Sie können aber auch das Gerät unter Beifügung der Lieferrechnung und Nennung der Reklamationsgründe direkt an unser Werk senden. Frachtkosten gehen zu Ihren Lasten.

## Garantie

You have purchased an original IKA laboratory machine which meets the highest engineering and quality standards.

In accordance with IKA guarantee conditions, the guarantee period is 12 months. For claims under the guarantee please contact your local dealer. You may also send the machine direct to our works, enclosing the delivery invoice and giving reasons for the claim. You will be liable for freight costs.

## Garantie

Vous avez fait l'acquisition d'un appareil de laboratoire de conception originale IKA, qui répond aux exigences les plus élevées de technique et de qualité.

Conformément aux conditions de garantie IKA, la durée de garantie s'élève à 12 mois. En cas de recours en garantie, veuillez vous adresser à votre fournisseur spécialisé. Vous pouvez également envoyer directement l'appareil à notre usine en joignant votre facture et l'exposé des motifs de réclamation. Les frais d'expédition sont à votre charge.

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## Safety instructions



Pay attention when setting the speed to any imbalance of the stirrer tools and possible spraying of the medium to be stirred. Please follow the relevant safety instructions and guidelines, and occupational health and safety regulations for use in the laboratory.

Avoid blows or impacts on the plug-in coupling of the stirrer tool receptacle. Even minor, invisible damage can lead to imbalance and uneven shaft action. Careful handling guarantees safe working and the long life of the equipment.

If vibration of the equipment is noticed, the speed must be reduced immediately in all cases until no more vibration occurs. In this case exchange the stirring tool for one without imbalance or remedy the cause of the imbalance.

Additional dangers for the user may occur if flammable materials are in use during the stirring process or, if glass devices are used, the transferred mechanical energy of the stirring element causes the breakage of the glass. The stirring containers utilised for the stirring process must be securely fastened as required.

Before beginning operation, be sure that the knob for setting the rotational speed is set completely to the left stop. If not, the device will begin to run at the last rotational speed setting.

The device restarts automatically after an interruption of the power supply or a mechanical interruption during the stirring process.

The machine may only be opened by trained specialists - even during repairs. The machine is to be unplugged from the mains before opening. Live parts inside the machine may still be live for some time after unplugging from the mains.

The RW11 basic stirring motor is not suited for operation in hazardous atmospheres, for mixing hazardous materials or for operation under water.

## Correct use

The RW 11 basic stirrer is suitable for stirring and mixing fluids with low viscosity. It is designed for use in laboratories. For proper usage, the device must be secured by means of the guide in the plastic housing and on a stable support stand with a shaft diameter of 10 mm using the rotary handle.

The protection of the device is no longer warranted for the user if the device is operated with accessories which are not provided or recommended by the manufacturer or if the device is operated in a manner opposed to the instructions of the manufacturer for proper use.

## Unpacking

Please unpack the machine carefully and inspect for damage. It is important that any transit damage should be noted at the time of unpacking. In certain circumstances it may be necessary to investigate immediately (post, rail or freight forwarder).

The guarantee covers: the RW11 basic stirring motor in accordance with the type ordered, one connection cable, one blade stirrer (160 mm in length), one mounting rod and the Operating Instructions.

## Useful details

You have purchased a high-quality product in this device. Problem-free operation is ensured as a result of its convenient form and simple handling characteristics. The materials which were used and their precise identification allow and significantly simplify recycling and the reuse of parts.

The speed-controlled, two-pulse EU external rotor motor makes infinite settings of the rotational speed possible in a range from 0 to 2000 RPM. The electronic motor regulation maintains the set speed at a constant, even with slight increases in viscosity.

## Commissioning

Check whether the voltage given on the type plate corresponds to the available mains voltage. Before beginning operation, be sure that the knob for setting the rotational speed is set completely to the left stop. If not, the device will begin to run at the last rotational speed setting.

If these conditions have been met, the machine is ready to operate when the mains plug is plugged in. If these conditions are not met, safe operation is not guaranteed and the machine could

be damaged

Observe the ambient conditions (temperature, humidity, etc.) listed under Technical Data.

## Output shaft

The output shaft is designed as a plug-in coupling in order to allow the quick changeover of the stirrer tools. The stirrer tools must have a shaft diameter of 4 mm in order to ensure that they are properly held by the plug-in coupling.

## Maintenance and cleaning

The stirrer RW 11 basic are maintenance-free. It is subject only to the natural wear and tear of components and their statistical failure rate.

**When ordering spare parts, please give the manufacturing number shown on the type plate, the machine type and the name of the spare part.**

Please send in equipment for repair only after it has been cleaned and is free from any materials which may constitute a health hazard. Use only cleansing agents which have been approved by IKA to clean IKA devices. To remove use:

Dyes	isopropyl alcohol
Construction materials	water containing tenside / isopropyl alcohol
Cosmetics	water containing tenside / isopropyl alcohol
Foodstuffs	water containing tenside
Fuels	water containing tenside

For materials which are not listed, please request information from IKA. Wear the proper protective gloves during cleaning of the devices. Electrical devices may not be placed in the cleansing agent for the purpose of cleaning.

