

Magnetic Stirrer RCT basic safety control digital with heating IKA



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Product Data

For almost half a century, RCT basic has not only been our bestseller, but also the standard and reference device in laboratories and research facilities worldwide. The RCT basic magnetic stirrer stands for reliability, exceptionally long product lifetimes and the highest safety standards.

RCT basic is suitable for stirring tasks up to 20 l (H₂O) and reaches a hotplate temperature of up to 310°C. With the connection option for an external temperature sensor (PT 1000.60 included in delivery), the temperature can be measured and controlled directly in the reaction medium.

Thanks to perfect insulation of the aluminum heating plate, maintenance-free EC motor and electronic switching power supply, RCT basic features excellent energy efficiency as well as reduced self-heating of the heating plate during stirring operation, thus contributing to a more sustainable laboratory.

In the latest generation, RCT basic presents itself in proven quality and with numerous new features:

- Tempered shatterproof glass surface for optimal chemical resistance and easy cleaning
- Largest display in its class with easy-to-read LED display
- Illuminated symbols for displaying important status information (set and actual temperature, heating status, temperature sensor)
- USB and RS232 interface for control or documentation of the test parameters via a PC
- Compatible with labworldsoft® laboratory software
- QR code for quick access to device information, accessories, downloads and extended warranty
- Easily accessible main switch on the front of the device

Safe, robust and compliant with standards

RCT basic contains the proven safety features for IKA magnetic stirrers. In accordance with the DIN EN 61010-2-010 standard, it meets all safety requirements for laboratory equipment for heating substances and is therefore also suitable for unattended operation.

- Tested and certified by TÜV SÜD according to standard IEC 61010-1 (cTÜVus)
- Adjustable hotplate temperature safety circuit (with tool)
- Confirmation mode (operating mode D) prevents the unintentional change of the set

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 - Automatic switch-off of the temperature control function if the connected external temperature sensor is not immersed in the medium or is defective. Function selectable, timeout time adjustable (Error 5).
 - Enclosed design (protection class IP42) guarantees long service life, even under extreme conditions in the laboratory
 - Reliable operation even with cold media. Extended temperature display down to -20°C (with external sensor).
 - Protected electronic connections on the back of the device
 - Fireproof die-cast aluminum housing with high quality and durable powder coating
 - DIN socket 12878 for connecting an electronic contact thermometer, e.g. ETS-D5 for high-presence temperature control. In this combination, the experimental setup is extended by a further independent safety circuit for the reaction medium.

Proven technology

- Heating plate made of aluminum for optimal and homogeneous heat transfer
- Excellent magnetic coupling
- Soft start prevents magnetic stir bars from breaking off during the start phase
- Two optimized temperature control modes ensure fast heating or precise temperature control without overshooting
- Push and turn buttons for independent adjustment of the setpoints and starting / stopping of temperature and speed

Scope of delivery

- IKAFLON® 30 Magnetic stirring bar
- IKAFLON® 40 Magnetic stirring bar
- Screw driver
- PT 1000.60 Temperature sensor, stainless steel
- RCT basic

Item No.	Price
17.3381.01	CHF 1'150.00

Accessories

Item No.	Description	Price
13.1120.00	Magnetic Stirring Bars HUBERLAB.	from CHF 1.60
13.1130.00	Magnetic Stirring Bar Retrievers HUBERLAB.	from CHF 20.30

* The prices are non-binding and are to be understood as selling prices in Swiss francs without value added tax (VAT), as well as all other fees, charges and taxes. The prices displayed in the eShop may differ from the PDF file due to regular updates.

** Please note that when ordering chemicals and detergents, transport and packaging costs for hazardous goods as well as legally prescribed fees are charged. These will be shown in detail on the order confirmation, which you will receive in addition to the confirmation of receipt.

*** Further information such as technical information and safety data sheets can be found online in our eShop.

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