

IKA

designed for scientists

EN



3/60
Inventions

MORE POWERFUL STIRRING | IKA RCT digital



RCT digital

/// The powerful generation of magnetic stirrers

The RCT digital series of magnetic stirrers with the models RCT 5 digital, RCT digital white and IKA plate (RCT digital) now offers a significantly higher performance with its 800 W and convinces with different set-up plates. This makes the devices the ideal team for the widest range of stirring tasks.

Multifunctional menu

Whether determining the direction of rotation, timer functions or sequence programming – the stirring process can be programmed individually for all three models from beginning to end. In this way, the reaction runs reliably and safely even without monitoring.

Scratch-resistant ceramic

The RCT digital white has a round set-up plate made of white, coated ceramic. It is less scratch-prone than conventional magnetic stirrer plates.



Angular set-up plate

In the case of RCT 5 digital, the set-up plate is also made of a white, coated ceramic, but has an angular shape for even better space maximisation.



Aluminum plate

The classic aluminium set-up plate is also available with the IKA plate (RCT digital) model, now in combination with an 800 W output.

[IKA Plate \(RCT digital\)](#)

Ident. No. 0025005389

[RCT digital white](#)

Ident. No. 0025004969

[RCT 5 digital](#)

Ident. No. 0020002704

Technical data RCT digital

TECHNICAL DATA	IKA PLATE (RCT DIGITAL)	RCT DIGITAL WHITE	RCT 5 DIGITAL
Stirring quantity max. per stirring position (H ₂ O)	20 l	20 l	20 l
Direction of rotation	Right/Left	Right/Left	Right/Left
Speed	min. 50 rpm max. 1,500 rpm	min. 50 rpm max. 1,500 rpm	min. 50 rpm max. 1,500 rpm
Setting accuracy speed	10 rpm	10 rpm	10 rpm
Stirring bar length	min. 30 mm max. 80 mm	min. 30 mm max. 80 mm	min. 20 mm max. 80 mm
Heat output	800 W	800 W	800 W
Heating temperature	min. room temp. + device self heating max. 310 °C	min. room temp. + device self heating max. 310 °C	min. room temp. + device self heating max. 310 °C
Temperature setting resolution of medium	1 K	1 K	1 K
Connection for ext. temperature sensor	PT 1000	PT 1000	PT 1000
Heating rate medium	7 K/min	7 K/min	7 K/min
Set-up plate material	Aluminium alloy	Aluminum with ceramic coating	Aluminum with ceramic coating
Set-up plate dimensions	Ø 135 mm	Ø 135 mm	130 x 130 mm
Interval mode	Yes	Yes	Yes
Viscosity trend measurement	Yes	Yes	Yes
Timer	Yes	Yes	Yes
GENERAL DATA	IKA PLATE (RCT DIGITAL)	RCT DIGITAL WHITE	RCT 5 DIGITAL
Weight	2.4 kg	2.4 kg	2.4 kg
Dimensions (W × H × D)	160 × 85 × 270 mm	160 × 85 × 270 mm	160 × 85 × 270 mm
Permissible ambient temperature	5 – 40 °C	5 – 40 °C	5 – 40 °C
Permissible relative humidity	80 %	80 %	80 %
Protection class according to DIN EN 60529	IP 42	IP 42	IP 42
Voltage	110 – 230 V	110 – 230 V	110 – 230 V
Display	LCD	LCD	LCD
USB interface	Yes	Yes	Yes
Power input	850 W Standby: 1.6 W	850 W Standby: 1.6 W	850 W Standby: 1.6 W

Additional products

If required, the following IKA devices are available for your lab to complement your work with magnetic stirrers from the IKA RCT digital series:



MINISTAR 20 control
Compact high-tech overhead stirrer
Ident.-No. 0025005585



labworldsoft® 6 Pro
Laboratory software to control, automate and document your measurements
Ident.-No. 0020019397



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

Accessories RCT digital



H 135.31 Flask carrier 500 ml with handle

Flask carrier 500 ml with handle for round-bottom flask. Volume: 500 ml; outer diameter: 142 mm
Ident. No. 0004448400



HG 600 Heating jacket

The heating jacket improves heat transfer into the medium. It can cut down the heating time considerably. For beaker volume of 600 ml.
Ident. No. 0020003416



RS 2 Set of magnetic stirring bars

Consisting of the IKAFLON® and TRIKA® magnetic stirring bars: IKAFLON® 40 round, IKAFLON® 40 glass, IKAFLON® 30 power, IKAFLON® 40 slide round, IKAFLON® 40 ellipse, IKAFLON® 25 cross, IKAFLON® 9 crown, IKAFLON® 25 bone, TRIKA® 40
Ident. No. 0004499100

Find more accessories on www.ika.com

IKA-Werke GmbH & Co. KG

Janke & Kunkel-Straße 10, 79219 Staufen, Germany

Phone: +49 7633 831-0, Fax: +49 7633 831-98

eMail: sales@ika.de



www.ika.com



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