

We believe that even a laboratory classic can always be made better: The magnetic stirrer was invented more than seven decades ago, but never before have the world's best-selling stirrers been as powerful, energy-efficient, safe and durable as IKA's modern magnetic stirrers. We have developed devices for mixing tasks in a wide range of volumes and viscosities, with and without heating function and even for multiple syntheses in up to 36 vessels simultaneously.

RCT basic

/// Bestseller reloaded

Here comes the new one: RCT basic is a classic among magnetic stirrers and is launched on the market in an updated version tested by TÜV SÜD. It is even safer and more robust than its predecessor and is equipped with numerous new features



▶ Watch
RCT video

EVEN MORE SAFETY

In accordance with the DIN EN 61010-2-010 standard, RCT basic meets all safety requirements for laboratory equipment for heating substances. The unit monitors all safety-relevant components and is therefore suitable for unattended operation. User safety is guaranteed even if individual components fail. As a consequence, RCT basic not only carries the CE certification, but has also been tested and certified by TÜV SÜD.

NEW FEATURES

The new RCT basic offers a USB and RS232 interface and can be integrated into labworld-soft® 6 laboratory software, for example, for digital networking, monitoring and control.

In addition, RCT basic has an improved fast temperature control. Compared to the previous model, the operating temperature range has been extended: a connected external sensor can display temperatures down to -20 °C. Operation at these low temperatures is possible without restriction, as is use under typical ambient conditions in the chemical industry

PROVEN FEATURES REMAIN

Of course, the new RCT basic also has a long service life, a powerful motor and a strong magnetic connection. And by meeting all safety standards, it is of course also suitable for unattended operation.

/// MAGNETIC STIRRERS WITH GLASS SURFACE

RCT basic

Ident. No. 0025005927



IKA Plate (RCT digital)

Ident. No. 0025004601



RCT basic ready-to-go Solution

Ident. No. 0010011525

RCT basic ETS-D5 Solution

Ident. No. 0010011496

RCT basic Synthesis Solution 250

Ident. No. 0010011505

RCT basic Synthesis Solution 500

Ident. No. 0010011502

RCT basic Synthesis Solution 1000

Ident. No. 0010011508

Further package information on page 163



TECHNICAL DATA	RCT BASIC	IKA PLATE (RCT DIGITAL)
Stirring quantity max. (H ₂ O)	20 l	20 l
Direction of rotation	right	right / left
Speed range	50 – 1500 rpm	50 – 1500 rpm
Heat output	600 W	600 W
Heating temperature	RT + device self heating – 340 °C	RT + device self heating – 310 °C
Set-up plate material	Aluminium alloy	Aluminium alloy
Set-up plate dimensions	Ø 135 mm	Ø 135 mm
Dimensions (W × H × D)	160 × 85 × 270 mm	160 × 85 × 270 mm
Protection class according to DIN EN 60529	IP 42	IP 42
Interfaces	USB, RS 232	USB, RS 232

RCT 5 digital

Ident. No. 0020002704

850 W
Power**C-MAG HS 7 control**

Ident. No. 0020002694

reddot award 2017
winner① **C-MAG HS 4 digital**

Ident. No. 0004240200

② **C-MAG HS 7 digital**

Ident. No. 0003487000

③ **C-MAG HS 10 digital**

Ident. No. 0004240400

① **C-MAG HS 4**

Ident. No. 0003581000

② **C-MAG HS 7**

Ident. No. 0003581200

③ **C-MAG HS 10**

Ident. No. 0003581400

**C-MAG HS 7 Package**

0009015900

C-MAG HS 7 Magnetic Stirrer with heating
and ceramic plate

ETS-D5 Electronic contact thermometer

H 38 Holding rod

H 44 Boss head clamp

H 16 V Support rod

TECHNICAL DATA

	RCT 5 DIGITAL	C-MAG HS 7 CONTROL	C-MAG HS 4 7 10 DIGITAL	C-MAG HS 4 7 10
Stirring quantity max. (H ₂ O)	20 l	20 l	5 l 10 l 15 l	5 l 10 l 15 l
Speed range	50 – 1500 rpm	50 – 1500 rpm	100 – 1500 rpm	100 – 1500 rpm
Heat output	850 W	1000 W	250 W 1000 W 1500 W	250 W 1000 W 1500 W
Heating temperature	RT + device self heating – 310 °C	RT + device self heating – 500 °C	50 – 500 °C	50 – 500 °C
Set-up plate material	Aluminum with ceramic coating	Ceramic	Ceramic	Ceramic
External Temperature control	137 × 137 mm	180 × 180 mm	PT 1000	– ETS-D5 ETS-D5
Dimensions (W × H × D)	160 × 85 × 270 mm	220 × 88 × 354 mm	150 × 105 × 260 mm 215 × 105 × 330 mm 300 × 105 × 415 mm	150 × 105 × 260 mm 220 × 105 × 335 mm 300 × 105 × 415 mm
Protection class according to DIN EN 60529	IP 42	IP 21	IP 21	IP 21

RET basic

Ident. No. 0003622000



①

RET control-visc

Ident. No. 0005020000

②

RET control-visc white

Ident. No. 0005030000

①



②



Weighing function
& pH measurement



①

RH basic

Ident. No. 0005019700

①

RH basic white

Ident. No. 0005029700

②

RH basic 2

Ident. No. 0003339000

③



①

RH digital

Ident. No. 0005019800

①

RH digital white

Ident. No. 0004678000

②



TECHNICAL DATA	RET BASIC	RET CONTROL-VISC WHITE	RH BASIC BASIC WHITE RH BASIC 2	RH DIGITAL DIGITAL WHITE
Stirring quantity max. (H ₂ O)	20 l	20 l	15 l 10 l	15 l
Speed range	50 – 1700 rpm	50 – 1700 rpm	100 – 2000 rpm	100 – 2000 rpm
Heat output	600 W	600 W	600 W 400 W	600 W
Heating temperature	RT + device self heating – 340 °C	RT + device self heating – 340 °C	50 – 320 °C Room temp. °C – 320 °C	50 – 320 °C
Set-up plate material	Stainless steel 1.4301	Stainless steel 1.4301 I Coated	Stainless steel 1.4301 RH basic white: coated	Stainless steel 1.4301 RH digital white: coated
Connection for ext. temperature sensor	PT 1000	PT 1000	ETS-D5 ETS-D5 –	ETS-D5
Dimensions (W x H x D)	160 x 95 x 270 mm	160 x 85 x 270 mm	160 x 100 x 250 mm 168 x 105 x 220 mm	160 x 100 x 250 mm
Protection class according to DIN EN 60529	IP 42	IP 42	IP 21	IP 21

MAGNETIC STIRRERS

/// MULTI-POSITION MAGNETIC STIRRER

① RO 5

Ident. No. 0003690500

② RO 10

Ident. No. 0003691000

③ RO 15

Ident. No. 0003692500

Adjustable
reverse operation



① RT 5

Ident. No. 0003690600

② RT 10

Ident. No. 0003691100

③ RT 15

Ident. No. 0003692600

Multi-position hotplate
stirrer, for synchronous
heating and stirring



/// INDUSTRIAL MAGNETIC STIRRER

① Midi MR 1 digital

Ident. No. 0025002968

② Maxi MR 1 digital

Ident. No. 0025002978

①



I-MAG

Industrial magnetic stirrer

Ident. No. 0020014226



TECHNICAL DATA	RO 5 RO 10 RO 15	RT 5 RT 10 RT 15	MIDI MR 1 DIGITAL MAXI MR 1 DIGITAL	I-MAG
Stirring quantity max. (H ₂ O)	0.4 l per stirring position	0.4 l per stirring position	50 l 150 l	300 l
Speed range	0 – 1200 rpm	0 – 1000 rpm	0 – 1000 rpm 0 – 600 rpm	100 – 1500 rpm
Heating temperature range	–	RT – 120 °C	–	–
Set-up plate material	Stainless steel 1.4301	Aluminium alloy	Stainless steel 1.4301	Stainless steel 1.4301
Set-up plate dimensions	120 × 470 mm 190 × 470 mm 280 × 470 mm	110 × 495 mm 180 × 495 mm 270 × 495 mm	350 × 350 mm 500 × 500 mm	260 × 260 mm
Dimensions (W × H × D)	120 × 60 × 570 mm 190 × 60 × 570 mm 280 × 60 × 570 mm	120 × 60 × 610 mm 190 × 60 × 610 mm 280 × 60 × 610 mm	360 × 110 × 430 mm 505 × 110 × 585 mm	260 × 70 × 300 mm
Protection class according to DIN EN 60529	IP 40	IP 40	IP 21	IP 64 / IP 22

① **topolino**
Ident. No. 0003368000

② **topolino mobil**
Ident. No. 0003381300

③ **Mini MR standard**
Ident. No. 0025004132



KMO 3 basic
Ident. No. 0020004631



Illuminated, flat stirring plate



IKA myPlate
Ident. No. 0025005156



Design the set-up plate yourself



① **lab disc white**
Ident. No. 0003907500

② **color squid white**
Ident. No. 0003671000

③ **big squid white**
Ident. No. 0003672000



① **C-MAG MS 4**
Ident. No. 0003582200

② **C-MAG MS 7**
Ident. No. 0003582400

③ **C-MAG MS 10**
Ident. No. 0003582600



TECHNICAL DATA	TOPOLINO MINI MR STANDARD	KMO 3 BASIC IKA MYPLATE	LAB DISC	C-MAG MS 4 7 10
Stirring quantity max. (H ₂ O)	0.25 l 1 l	5 l 1.5 l	0.8 l	5 l 10 l 15 l
Speed range	500 – 1800 rpm 0 – 2500 rpm	10 – 1500 rpm 100 – 2500 rpm	15 – 1500 rpm	100 – 1500 rpm
Set-up plate material	Synthetic (PP) Polyester	Glass	Polyester	Ceramic
Set-up plate dimensions	Ø 80 mm 115 × 115 mm	140 × 120 mm Ø 135 mm	Ø 100 mm	100 × 100 mm 180 × 180 mm 260 × 260 mm
Dimensions (W × H × D)	95 × 37 × 115 mm 115 × 37 × 129 mm	153 × 62.5 × 227 mm 152 × 30 × 164 mm	116 × 12 × 175 mm	150 × 105 × 260 mm 220 × 105 × 335 mm 300 × 105 × 415 mm
Protection class according to DIN EN 60529	IP 21 IP 42	IP 42 IP 54	IP 65	IP 21



Product	Ident. No.	Price
TEMPERATURE SENSORS		
Stainless steel		
PT 1000.60	0003516800	On request
PT 1000.80	0004443000	On request
PT 100.70	0020000440	On request
Glass-coated		
PT 1000.70	0003736000	On request
PT 100.51	0002600300	On request
SafeCoat (PFA, PTFE)		
PT 1000.90	0004480600	On request
PT 100.53	0004499700	On request
Dual		
PT 1000.50	0003367600	On request
PT 1000.51	0003377700	On request

ELECTRONIC CONTACT THERMOMETERS

ETS-D5	0003378000	On request
ETS-D6	0003378100	On request

SENSORS FOR ETS-D5 / ETS-D6

H 62.51	0002735451	On request
H 66.51, glass coated	0002735551	On request
H 66.53, coated	0004499900	On request
H 70, extension cable	0002735600	On request



RET control-visc	RET basic	IKA Plate (RCT digital)	RCT basic	C-MAG HS 7 control	C-MAG HS digital 4 7 10	C-MAG HS 7 10	RH digital basic
-	•	•	•	•	•	-	-
-	+	+	+	+	+	-	-
•	-	-	-	-	-	-	-
-	+	+	+	+	+	-	-
+	-	-	-	-	-	-	-
-	+	+	+	+	+	-	-
+	-	-	-	-	-	-	-
+	-	-	-	-	-	-	-

-	+	+	+	+	-	+	+
-	+	+	+	+	-	+	+

+ Compatible | - Not compatible | • Included in delivery



Product	Hole Ø	Dimensions	Ident. No	Price	
DRY HEATING BLOCK SQUARE SERIES					
 Square carrier with handle: H 135.11	H 135.10 Square carrier without handle	–	160 × 160 mm	0025000832	On request
	H 135.11 Square carrier with handle	–	160 × 160 mm	0004448200	On request
	H 135.101 Block 16 × 4 ml	15.2 mm	79 × 79 mm	0025000626	On request
	H 135.102 Block 16 × 8 ml	17.5 mm	79 × 79 mm	0025000627	On request
	H 135.103 Block 9 × 16 ml	20.5 mm	79 × 79 mm	0025000628	On request
	H 135.104 Block 4 × 20 ml	28.5 mm	79 × 79 mm	0025000629	On request
	H 135.105 Block 4 × 30 ml	28.5 mm	79 × 79 mm	0025000630	On request
	H 135.106 Block 4 × 40 ml	28.5 mm	79 × 79 mm	0025000631	On request
	H 135.107 Block 100 ml	–	79 × 79 mm	0025000632	On request
	H 135.108 Block 250 ml	–	79 × 79 mm	0025000633	On request

Product	Max. outer Ø	Inner Ø	Ident. No	Price	
100 ML FLASK HEATING BLOCK SERIES					
 Flask carrier with handle: H 135.21	H 135.20 Flask carrier 100 ml without handle	142 mm	194.7 mm	0025000634	On request
	H 135.21 Flask carrier 100 ml with handle	142 mm	194.7 mm	0004448300	On request
	H 135.201 Flask inlay 10 ml	–	33.8 mm	0025000636	On request
	H 135.202 Flask inlay 25 ml	–	43.8 mm	0025000637	On request
	H 135.203 Flask inlay 50 ml	–	52.8 mm	0025000638	On request

250 ML FLASK HEATING BLOCK SERIES					
 Flask carrier without handle: H 135.25	H 135.25 Flask carrier 250 ml without handle	142 mm	–	0025003280	On request
	H 135.26 Flask carrier 250 ml with handle	142 mm	–	0020007954	On request

500 ML FLASK HEATING BLOCK SERIES					
 Inlay: H 135.301	H 135.30 Flask carrier 500 ml without handle	142 mm	–	0025000639	On request
	H 135.31 Flask carrier 500 ml with handle	142 mm	–	0004448400	On request
	H 135.301 Flask inlay 100 ml	–	66.3 mm	0025000641	On request
	H 135.302 Flask inlay 250 ml	–	88 mm	0025000642	On request

1000 ML FLASK HEATING BLOCK SERIES					
 Inlay: H 135.401	H 135.40 Flask carrier 1000 ml without handle	166.3 mm	–	0025000833	On request
	H 135.41 Flask carrier 1000 ml with handle	166.3 mm	–	0004448500	On request
	H 135.401 Flask inlay 500 ml	–	108 mm	0025000644	On request

2000 ML FLASK HEATING BLOCK SERIES					
 Inlay: H 135.501	H 135.50 Flask carrier 2000 ml without handle	194.7 mm	–	0025000834	On request
	H 135.51 Flask carrier 2000 ml with handle	194.7 mm	–	0004448600	On request
	H 135.501 Flask inlay 1000 ml	–	131.8 mm	0025000645	On request

Product	Dimensions	Ident. No	Price
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IKAFLON® ROUND PTFE-COATED

10 round (5 pcs.)	10 × 6 mm	0004488600	On request
15 round (5 pcs.)	15 × 6 mm	0004488700	On request
20 round (5 pcs.)	20 × 8 mm	0004488800	On request
25 round (5 pcs.)	25 × 8 mm	0004488900	On request
30 round (5 pcs.)	30 × 8 mm	0004489000	On request
40 round (5 pcs.)	40 × 8 mm	0004489100	On request
50 round (5 pcs.)	50 × 8 mm	0004489200	On request
80 round (5 pcs.)	80 × 10 mm	0004489300	On request
110 round (1 pc.)	108 × 27 mm	0000793300	On request
155 round (1 pc.)	153 × 27 mm	0001129000	On request

IKAFLON® ROUND GLASS-COATED

25 round (5 pcs.)	25 × 6 mm	0004492200	On request
40 round (5 pcs.)	40 × 8 mm	0004492600	On request
50 round (5 pcs.)	50 × 8 mm	0004492800	On request

IKAFLON® SLIDE ROUND

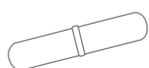
25 slide (5 pcs.)	25 × 6 mm	0004493800	On request
30 slide (5 pcs.)	30 × 6 mm	0004494000	On request
40 slide (5 pcs.)	40 × 8 mm	0004494200	On request
50 slide (5 pcs.)	50 × 8 mm	0004494400	On request

IKAFLON® POWER

20 power (5 pcs.)	20 × 6 mm	0004493000	On request
30 power (5 pcs.)	30 × 6 mm	0004493200	On request
50 power (5 pcs.)	50 × 8 mm	0004493400	On request

IKAFLON® ELLIPSE PTFE-COATED

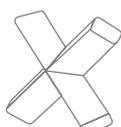
20 ellipse (5 pcs.)	20 × 10 mm	0004494600	On request
25 ellipse (5 pcs.)	25 × 12 mm	0004494800	On request
30 ellipse (5 pcs.)	32 × 16 mm	0004495000	On request
35 ellipse (5 pcs.)	35 × 15 mm	0004495200	On request
40 ellipse (5 pcs.)	40 × 20 mm	0004495400	On request
50 ellipse (5 pcs.)	50 × 20 mm	0004495600	On request
70 ellipse (5 pcs.)	70 × 20 mm	0004496000	On request



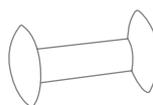
IKAFLON® round PTFE-coated



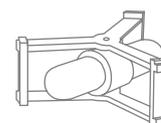
IKAFLON® ellipse PTFE-coated



IKAFLON® cross PTFE-coated



IKAFLON® bone PTFE-coated



IKAFLON® beaker PTFE-coated



TRIKA® PTFE-coated

Product	Dimensions	Ident. No	Price
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IKAFLON® CROSS PTFE-COATED

10 cross (5 pcs.)	10 × 10 mm	0004496200	On request
20 cross (5 pcs.)	20 × 20 mm	0004496400	On request
25 cross (5 pcs.)	25 × 25 mm	0004496600	On request
30 cross (5 pcs.)	30 × 30 mm	0004496800	On request
38 cross (5 pcs.)	38 × 38 mm	0004497000	On request

IKAFLON® BONE PTFE-COATED

37 bone (5 pcs.)	35 × 8 × 20 mm	0004497200	On request
54 bone (5 pcs.)	55 × 8 × 20 mm	0004497400	On request

IKAFLON® BEAKER PTFE-COATED

74 (1 pc.)	(Ø × H): 74 × 29 mm with 60 × 9	0004497800	On request
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IKAFLON® CROWN PTFE-COATED

9 crown (5 pcs.)	9 × 6 mm	0004498400	On request
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TRIKA® PTFE-COATED

25 Trika (5 pcs.)	25 × 8 mm	0004499300	On request
35 Trika (5 pcs.)	35 × 9 mm	0004499400	On request
55 Trika (5 pcs.)	55 × 14 mm	0004499500	On request
80 Trika (5 pcs.)	80 × 17 mm	0004499600	On request

SET OF MAGNETIC STIRRING BARS

RS 1		0001358600	On request
RS 2		0004499100	On request

STIRRING BAR REMOVER

RSE	Stirring bar remover	0001293100	On request
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WiCo RET control-visc



Cover RET control-visc



IB R RO 15 eco



LABLIFT m



IKA Plate Adapter



Product	Description	Ident. No.	Price
WIRELESS-CONTROLLED OPERATING UNIT			
WiCo RET control-visc	Wireless remote control	0020007259	On request
COVERS			
H 102	Cover for RH basic	0004281600	On request
H 103	Cover for RH digital	0004299100	On request
H 100	Cover for RET basic	0003661000	On request
H 104	Cover for RET control-visc	0004209500	On request
H 105	Cover for RCT basic and digital	0025008136	On request
MAINS CABLES			
H 11	Mains cable Euro plug	0001091500	On request
H 11	Mains cable USA plug	0003564500	On request
H 11	Mains cable UK plug	0002410700	On request
H 11	Mains cable CH plug	0001091600	On request
H 11	Mains cable IN plug	0003923600	On request
PLASTIC BATH FOR MAGNETIC STIRRER RO 15			
IB R RO 15 eco	Plastic bath, size L, 25 l volume	0020006341	On request
LABLIFT			
LABLIFT m	Up to 25 kg (max. static load)	0004022400	On request
IKA PLATE ADAPTER			
IKA Plate Adapter	Heating block adapter for RCT 5 digital, C-MAG 7 and 10	0025001022	On request
BEAKER CAP			
BC 1000	Beaker cap	0020003417	On request

LABORATORY SOFTWARE**labworldsoft® 6 Starter**

Price on request

Ident. No. 0020019397

labworldsoft® 6 Pro

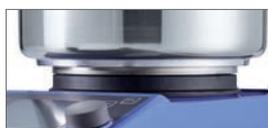
Price on request

Ident. No. 0020017366

labworldsoft® is a laboratory software to control lab devices, automate processes, and to document your measurements and results. The software provides access to a huge library of different laboratory devices. labworldsoft® does not integrate only IKA laboratory devices, but supports several other devices from different manufacturers as well. You stay flexible in the choice of your lab devices you want to use and profit from the whole device range of the laboratory world.



H 3000



Product	Description	Ident. No.	Price
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OIL BATH ATTACHMENTS

H 29	Oil bath attachment, 1 l	0002829400	On request
H 30	Oil bath attachment, 1.5 l	0002829500	On request

BEAKERS, STAINLESS STEEL

H 1000	Beaker, stainless steel, 1 l	0004444401	On request
H 1500	Beaker, stainless steel, 1.5 l	0004444501	On request
H 3000	Beaker, stainless steel, 3 l	0004444503	On request
H 5000	Beaker, stainless steel, 5 l	0004444505	On request



HG 600

HEATING JACKETS

HG 600	Heating jacket for beaker 600 ml	0020003416	On request
HG 1000	Heating jacket for beaker 1000 ml	0020003415	On request



H 16.3



H 44

HOLDERS

H 16 V	Support rod	0001545100	On request
H 16.3	Extension for support rod	0025000622	On request
H 44	Boss head clamp	0002437700	On request
H 38	Holding rod	0003547700	On request



I-MAG cart

ACCESSORIES FOR I-MAG

IKAFLO 90 slide	Magnetic stirring bar, PTFE round, with sliding ring (PEEK), 90 x 30 mm, 1 pc.	0020102963	On request
IKAFLO 140 slide	Magnetic stirring bar, PTFE round, with sliding ring (PEEK), 140 x 30 mm, 1 pc.	0020110382	On request
IKAFLO 118 float	Magnetic stirring drive, PPS round, Ø 118 mm, 1 pc.	0020100638	On request
RSE XL	Stirring bar remover for I-MAG	0020100641	On request
I-MAG SP 150	Platform extension for I-MAG, for barrels up to 150 liters	0020102994	On request
I-MAG SP 300	Platform extension for I-MAG, for barrels up to 300 liters	0020102996	On request
I-MAG cart	Transport trolley and platform for I-MAG, for barrels up to 300 l	0025008091	On request
I-MAG BR	Bracket for stand rod I-MAG	0020110383	On request
I-MAG UHC	Universal holder for I-MAG controller	0020110381	On request
I-MAG EXT 3	Extension cable for I-MAG, 3 m	0020115558	On request
H 28 V	Stand rod, length 2 m, Ø 28 mm	0020119439	On request

I-MAG SP 300

