

**Magnetische Roeders met verwarming IKA**  
**RCT basic - RET basic -RET control - RET control visc**  
**RH basic - C-MAG HS 4 / 7 / 10**

IKA® Mixing  
 Magnetic stirrers



**NEW!**

**RET basic safety control IKAMAG®**  
 The classic: now with new design and many new functions.

IKA® Mixing  
 Magnetic stirrers with heating

**ETS-D6**

Electronic contact thermometer with PID control and RESET function, incl stainless steel temperature sensor H 62.51, **page 27**  
 Ident. No. 3378100

**H 44**

Boss head clamp, **page 33**  
 Ident. No. 2437700

**H 38**

Holding rod for fastening ETS-D5 or ETS-D6 with H 44 to the support rod H 16 V, **page 33**  
 Ident. No. 3547700

**H 16 V**

Support rod for all magnetic stirrers with M 10 threaded bushing, **page 33**  
 Ident. No. 1545100

**RET basic safety control IKAMAG®**

Magnetic stirrer with digital display, incl. protective cover H 100, **page 13**  
 Ident. No. 3622000



## IKA® Mixing

Magnetic stirrers with heating

## IKA® Mixing

Magnetic stirrers with heating



Ident. No.  
3810000 230 V 50/60 Hz  
3810001 115 V 50/60 Hz

NEW!



included with unit  
Ident No. 3516800

## RCT basic safety control IKAMAG®

The improvement of the bestseller: Now with new technology for more capacity.  
new: Stronger motor for a higher range of speeds  
new: Additional temperature control mode for faster heating of medium

- Integrated temperature control
- Incl. PT 1000 temperature sensor (PT 1000.60)
- Exact temperature and speed setting via digital display, even when switched off
- Digital display of set safety temperature limit
- Hot Top indicator >> hot surface warning to prevent burns!
- Digital error code display
- With adjustable safety circuit of heating plate temperature (50 - 360 °C)
- Safety magnetic stirrer with heating, suitable for unsupervised operation
- Bushing according to DIN 12878 for connecting a contact thermometer, e.g. ETS-D5, enables precise temperature control
- High level of safety due to improved heat control technology
- Enclosed assembly (IP 42) guarantees long service life
- Highly polished aluminum heating plate for optimal heat transfer
- Improved magnetic adhesion
- Incl. protective cover H 100

## Accessories (page):

Quarter System (30), Reaction Block System (31), PT 1000.70 Temperature sensor (28), Electronic contact thermometers (27): ETS-D5, ETS-D6, IKAFLON®-Stirring bars (35), TRIKA®-Stirring bars (35), RS 1 Set of stirring bars (35), RSE Stirring bar remover (35), Bath attachments (34): H 15, H 28, Oil bath attachments (34): H 29, H 30, H 16.1 Extension (33)

Technical data	
Stirring quantity (H <sub>2</sub> O)	20 l
Motor rating input	16 W
Motor rating output	9 W
Speed display	digital
Speed range	50 – 1.500 rpm
Max. magnetic bar (L x Ø)	80 x 10 mm
Heating function	
Heat output	600 W
Heating rate (1 l H <sub>2</sub> O)	6,5 K/min
Temperature range	RT – 310 °C
Setting accuracy	± 1 K
Temp. undulation without temp. sensor	± 2 K
Adjustable safety circuit	50 – 360 °C
Digital temperature limit display	50 – 360 °C
Control accuracy with sensor	PT 1000 / ± 1 K ETS-D5 / ± 0,5 K ETS-D6 / ± 0,2 K
Heating plate	
Material	aluminum alloy
Dimensions	Ø 135 mm
General data	
Dimensions (W x D x H)	160 x 270 x 85 mm
Weight	2,5 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative humidity	80 %
Protection class acc. to DIN EN 60529	IP 42

Technical data	
Stirring quantity (H <sub>2</sub> O)	20 l
Motor rating input	16 W
Motor rating output	9 W
Speed display	digital
Speed range	50 – 1.700 rpm
Max. magnetic bar (L x Ø)	80 x 10 mm
Heating function	
Heat output	600 W
Heating rate (1 l H <sub>2</sub> O)	7 K/min
Temperature range	RT – 340 °C
Setting accuracy	± 1 K
Temp. undulation without temp. sensor	± 2 K
Adjustable safety circuit	50 – 360 °C
Control accuracy with sensor	PT 1000 / ± 1 K ETS-D5 / ± 0,5 K ETS-D6 / ± 0,2 K
Heating plate	
Material	stainless steel
Dimensions	Ø 135 mm
General data	
Dimensions (W x D x H)	160 x 270 x 95 mm
Weight	2,5 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative humidity	80 %
Protection class acc. to DIN EN 60529	IP 42

## RET basic safety control IKAMAG®

The classic: Now with new design, functions and features.

- new: Wide speed range from 50 - 1.700 rpm
- new: Integrated temperature control
- new: Incl. PT 1000 temperature sensor (PT 1000.60)
- new: Exact temperature and speed setting via digital display, even when switched off
- new: Digital display of set safety temperature limit
- new: Hot Top indicator >> hot surface warning to prevent burns!
- new: Digital error code display
- With adjustable safety circuit of heating plate temperature (50 - 360 °C)
- Safety magnetic stirrer with heating, suitable for unsupervised operation
- Bushing according to DIN 12878 for connecting a contact thermometer, e.g. ETS-D5, enables precise temperature control
- High level of safety due to improved heat control technology
- Enclosed assembly (IP 42) guarantees long service life
- Very broad temperature range (RT - 340 °C)
- Extremely fast heating times
- Electronic speed control
- High magnetic adhesion
- Incl. protective cover H 100

## Accessories (page):

Quarter System (30), Reaction Block System (31), PT 1000.70 Temperature sensor (28), Electronic contact thermometers (27): ETS-D5, ETS-D6, IKAFLON®-Stirring bars (35), TRIKA®-Stirring bars (35), RS 1 Set of stirring bars (35), RSE Stirring bar remover (35), Bath attachments (34): H 15, H 28, Oil bath attachments (34): H 29, H 30, H 16.1 Extension (33)



RET basic safety control  
Ident. No.  
3622000 230 V 50/60 Hz  
3622001 115 V 50/60 Hz

NEW!



included with unit  
Ident No. 3516800

## IKA® Mixing

Magnetic stirrers with heating

## IKA® Mixing

Magnetic stirrers with heating

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Ident. No.	
3964000	230 V 50/60 Hz
3964001	115 V 50/60 Hz

NEW!

labworldsoft®

## RET control/t IKAMAG®

New safety magnetic stirrer with heating, suitable for unsupervised operation.

- Timer: min. 1 min / max. 9 h 59 min
- Option: 1 sensor for medium temperature (PT 100) or 2 separate temperature sensors for heat transfer fluid and medium (PT 1000) available (automatic identification)
- 2 adjustable safety circuits
- Stirring bar crack detection
- Setting acc. medium temperature: 0,5 K
- HOT warning display indicating any residual heat when unit is switched off
- Easy-to-read backlit LCD display
- Actual medium temperature resolution displayed: 0,5 K (RT to 100 °C); 1 K (from 100 °C upwards)
- Fuzzy control and microprocessor technology guarantee maximum control accuracy
- PC control via RS 232 interface, with optional safety function
- Software labworldsoft® is available to control and document all measured values via PC
- 3 modes of operation, e.g. stirring and heating functions can be secured against inadvertent changes of set parameters
- Enclosed assembly (IP 42) guarantees long service life
- Incl. protective cover H 99

## Accessories (page):

Quarter System (30), Reaction Block System (31), Temperature sensors (29): PT 100.50, PT 100.51, PT 100.52, PT 1000.50, PT 1000.51, IKAFLON®-Stirring bars (35), TRIKA®-Stirring bars (35), RS 1 Set of stirring bars (35), RSE Stirring bar remover (35), R 380 Stand support (33), labworldsoft® (153), Oil bath attachments (34): H 29, H 30, Bath attachments (34): H 15, H 28, AM 1 Analog module (130)

Technical data	
Stirring quantity (H <sub>2</sub> O)	20 l
Motor rating input	12 W
Motor rating output	5 W
Speed display	digital
Speed range	0 – 1.200 rpm
Timer	1 min - 9 h 59 min
Max. magnetic bar (L x Ø)	80 x 10 mm
Heating function	
Heat output	600 W
Heating rate (1 l H <sub>2</sub> O)	7 K/min
Temperature range	RT – 340 °C
Setting accuracy	0,5 K (< 100 °C) 1 K (> 100 °C)
Adjustable safety circuit	50 – 350 °C
Sensor for temperature in medium	1 x PT 100 or 2 x PT 1000
Control accuracy with sensor	± 0,2 K
Heating plate	
Material	stainless steel
Dimensions	Ø 135 mm
General data	
Dimensions (W x D x H)	160 x 280 x 97 mm
Weight	2,8 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative humidity	80 %
Protection class acc. to DIN EN 60529	IP 42
Interface	RS 232 / analog

Technical data	
Stirring quantity (H <sub>2</sub> O)	20 l
Motor rating input	12 W
Motor rating output	5 W
Speed display	digital
Speed range	0 – 1.500 rpm
Max. magnetic bar (L x Ø)	80 x 10 mm
Heating function	
Heat output	600 W
Heating rate (1 l H <sub>2</sub> O)	7 K/min
Temperature range	RT – 340 °C
Setting accuracy	0,5 K (< 100 °C) 1 K (> 100 °C)
Adjustable safety circuit	50 – 350 °C
Sensor for temperature in medium	1 x PT 100 or 2 x PT 1000
Control accuracy with sensor	± 0,2 K
Heating plate	
Material RET control-visc s. c.	stainless steel
RET control-visc C s. c.	stainless steel white coated
Dimensions	Ø 135 mm
General data	
Dimensions (W x D x H)	160 x 280 x 97 mm
Weight	2,8 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative humidity	80 %
Protection class acc. to DIN EN 60529	IP 42
Interface	RS 232 / analog

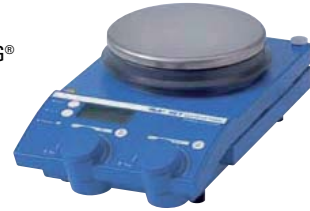
RET control-visc safety control IKAMAG®  
RET control-visc C safety control IKAMAG®

Safety magnetic stirrer with heating, suitable for unsupervised operation.

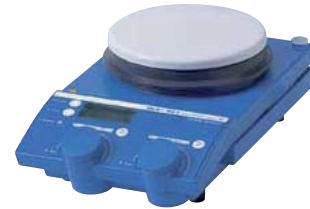
- Viscosity trend display
- Option: 1 sensor for medium temperature (PT 100) or 2 separate temperature sensors for heat transfer fluid and medium (PT 1000) available (automatic identification)
- 2 adjustable safety circuits
- Stirring bar crack detection
- With stainless steel surface or white-coated surface (chemical resistant)
- Setting acc. medium temperature: 0,5 K
- HOT warning display indicating any residual heat when unit is switched off
- Easy-to-read backlit LCD display
- Actual medium temperature resolution displayed: 0,5 K (RT to 100 °C); 1 K (from 100 °C upwards)
- Fuzzy control and microprocessor technology guarantee maximum control accuracy
- PC control via RS 232 interface, with optional safety function
- Software labworldsoft® is available to control and document all measured values via PC
- HOT visual warning for hot heating plate
- 3 modes of operation, e.g. stirring and heating functions can be secured against inadvertent changes of set parameters
- Enclosed assembly (IP 42) guarantees long service life
- Incl. protective cover H 99

## Accessories (page):

Quarter System (30), Reaction Block System (31), Temperature sensors (29): PT 100.50, PT 100.51, PT 100.52, PT 1000.50, PT 1000.51, IKAFLON®-Stirring bars (35), TRIKA®-Stirring bars (35), RS 1 Set of stirring bars (35), RSE Stirring bar remover (35), R 380 Stand support (33), Bath attachments (34): H 15, H 28, labworldsoft® (153), Oil bath attachments (34): H 29, H 30, AM 1 Analog module (130)



Ident. No.	
3364000	230 V 50/60 Hz
3364001	115 V 50/60 Hz



Ident. No.	
3364100	230 V 50/60 Hz
3364101	115 V 50/60 Hz

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## IKA® Mixing

Magnetic stirrers with heating

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Ident. No.	
3339000	230 V 50/60 Hz
3339001	115 V 50/60 Hz

## RH basic 2 IKAMAG®

Economic magnetic stirrer with stainless steel heating plate.

- Fixed safety circuit 400 °C
- Soft-start stirring motor

## Accessories (page):

IKAFLO®-Stirring bars (35), TRIKA®-Stirring bars (35), RSE Stirring bar remover (35), Bath attachments (34): H 15, H 28



RH basic KT/C safety control

Ident. No.	
3207100	230 V 50/60 Hz
3207101	115 V 50/60 Hz

RH basic KT/C safety control IKAMAG®  
RH digital KT/C safety control IKAMAG®

Universal magnetic stirrers with heating and bushing according to DIN 12878 for connecting an electronic temperature controller, e.g. ETS-D5, ETS-D6.

RH digital KT/C safety control complete with digital display for set and actual temperature and actual speed.

- Heating plate with excellent chemical resistance
- Heat output 500 W
- Long life cycle due to foil heating and solid-state switching for heat control
- Adjustable safety circuit for heating plate temperature
- Soft-start stirring motor
- Safety feature: in the event of motor failure the heating switches off automatically

## Accessories (page):

Electronic contact thermometers: ETS-D5, ETS-D6 (27), IKAFLO®-Stirring bars (35), TRIKA®-Stirring bars (35), RSE Stirring bar remover (35), Bath attachments (34): H 15, H 28



RH digital KT/C safety control

Ident. No.	
3207000	230 V 50/60 Hz
3207001	115 V 50/60 Hz

Technical data	
Stirring quantity (H <sub>2</sub> O)	10 l
Motor rating input	15 W
Motor rating output	2 W
Speed display	scale (0 – 6)
Speed range	100 – 2.000 rpm
Max. magnetic bar (L x Ø)	40 x 8 mm
Heating function	
Heat output	400 W
Heating rate (1 l H <sub>2</sub> O in H15)	3 K/min
Temperature range	RT – 320 °C
Heating plate	
Material	stainless steel (AISI 304)
Dimensions	Ø = 125 mm
General data	
Dimensions (W x D x H)	168 x 220 x 105 mm
Weight	2,4 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative humidity	80 %
Protect. class acc. to DIN EN 60529	IP 21

Technical data	
Stirring quantity (H <sub>2</sub> O)	15 l
Motor rating input	15 W
Motor rating output	2 W
Speed display	scale (0 – 6) / digital
Speed range	100 – 2.000 rpm
Max. magnetic bar (L x Ø)	40 x 8 mm
Heating function	
Heat output	500 W
Heating rate (1 l H <sub>2</sub> O)	4,5 K/min
Temperature range	RT – 320 °C
Adjustable safety circuit	100 – 400 °C
Sensor for temperature in medium	ETS-D5, ETS-D6
Control accuracy with sensor	ETS-D5 ± 0,5 K ETS-D6 ± 0,2 K
Heating plate	
Material	stainless steel white coated
Dimensions	130 x 130 mm
General data	
Dimensions (W x D x H)	168 x 220 x 105 mm
Weight	2,4 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative humidity	80 %
Protect. class acc. to DIN EN 60529	IP 21

Heating plate	
Material	stainless steel white coated
Dimensions	130 x 130 mm
General data	
Dimensions (W x D x H)	168 x 220 x 105 mm
Weight	2,4 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative humidity	80 %
Protect. class acc. to DIN EN 60529	IP 21

Technical data			
Stirring quantity (H <sub>2</sub> O)	HS 4	5 l	
	HS 7	10 l	
	HS 10	15 l	
Motor rating input		15 W	
Motor rating output		1,5 W	
Speed display		digital	
Speed range		100 – 1.500 rpm	
Max. magnetic bar (L x Ø)	HS 4	30 x 8 mm	
	HS 7	80 x 10 mm	
	HS 10	80 x 10 mm	
Heating function			
Heat output	HS 4	250 W	
	HS 7	1.000 W	
	HS 10	1.500 W	
Heating rate (1 l H <sub>2</sub> O)	HS 4	2,5 K/min	
	HS 7 / HS 10	5 K/min	
Temperature range		50 – 500 °C	
Setting accuracy		± 10 K	
Safety circuit fixed		550 °C	
Control accuracy with sensor	HS 4	–	
	HS 7 / HS 10	ETS-D5 / ± 0,5 K ETS-D6 / ± 0,2 K	

Heating plate		
Material		glass ceramics
Dimensions	HS 4	100 x 100 mm
	HS 7	180 x 180 mm
	HS 10	260 x 260 mm

General data		
Dimensions (W x D x H)	HS 4	150 x 260 x 105 mm
	HS 7	220 x 330 x 105 mm
	HS 10	300 x 415 x 105 mm
Weight	HS 4	3 kg
	HS 7	5 kg
	HS 10	6 kg
Permissible ambient temperature		5 – 40 °C
Permissible relative humidity		80 %
Protect. class acc. to DIN EN 60529		IP 21

C-MAG HS 4 / C-MAG HS 7 /  
C-MAG HS 10 IKAMAG®

New magnetic stirrers with heating and glass ceramics heating plate which offers excellent chemical resistance.

- Powerful motor for stirring quantities of up to 5 l, 10 l, 15 l (H<sub>2</sub>O)
- Fixed safety circuit of 550 °C
- Hot Top indicator >> hot surface warning to prevent burns!
- Precise temperature setting via digital display (LED)
- Digital error code display
- Elevated control panel to protect against leaking liquids

## C-MAG HS 7, C-MAG HS 10 additionally:

- Bushing according to DIN 12878 for connecting a contact thermometer, e.g. ETS-D5, enables precise temperature control

## Accessories (page):

IKAFLO®-Stirring bars (35), TRIKA®-Stirring bars (35), RS 1 Set of stirring bars (35), RSE Stirring bar remover (35), Bath attachments: H 15, H 28 (34), H 16 V Support rod (33)

C-MAG HS 7, C-MAG HS 10 additionally: Electronic contact thermometers: ETS-D5, ETS-D6 (27)

## IKA® Mixing

Magnetic stirrers with heating

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C-MAG HS 4

Ident. No.	
3581000	230 V 50/60 Hz
3581001	115 V 50/60 Hz

NEW!



C-MAG HS 7

Ident. No.	
3581200	230 V 50/60 Hz
3581201	115 V 50/60 Hz

NEW!



C-MAG HS 10

Ident. No.	
3581400	230 V 50/60 Hz
3581401	115 V 50/60 Hz

NEW!

## IKA® Mixing

Magnetic stirrers without heating



C-MAG MS 4

Ident. No.	
3582200	230 V 50/60 Hz
3582201	115 V 50/60 Hz

NEW!



C-MAG MS 7

Ident. No.	
3582400	230 V 50/60 Hz
3582401	115 V 50/60 Hz

NEW!



C-MAG MS 10

Ident. No.	
3582600	230 V 50/60 Hz
3582601	115 V 50/60 Hz

NEW!

C-MAG MS 4 / C-MAG MS 7 /  
C-MAG MS 10 IKAMAG®

New magnetic stirrers without heating. With glass ceramics set-up plate which offers excellent chemical resistance.

- Powerful motor for stirring quantities of up to 5 l, 10 l, 15 l (H<sub>2</sub>O)
- Elevated control panel to protect against leaking liquids

## Accessories (page):

IKAFLO®-Stirring bars (35), TRIKA®-Stirring bars (35), RS 1 Set of stirring bars (35), RSE Stirring bar remover (35)

Technical data			
Stirring quantity (H <sub>2</sub> O)	MS 4	5 l	
	MS 7	10 l	
	MS 10	15 l	
Motor rating input		15 W	
Motor rating output		1,5 W	
Speed display		scale	
Speed range		100 – 1.500 rpm	
Max. magnetic bar (L x Ø)	MS 4	30 x 8 mm	
	MS 7	80 x 10 mm	
	MS 10	80 x 10 mm	
Set-up plate			
Material		glass ceramics	
Dimensions	MS 4	100 x 100 mm	
	MS 7	180 x 180 mm	
	MS 10	260 x 260 mm	
General data			
Dimensions (W x D x H)	MS 4	150 x 260 x 105 mm	
	MS 7	220 x 330 x 105 mm	
	MS 10	300 x 415 x 105 mm	
Weight	MS 4	3 kg	
	MS 7	5 kg	
	MS 10	6 kg	
Permissible ambient temperature		5 – 40 °C	
Permissible relative humidity		80 %	
Protection class acc. to DIN EN 60529		IP 21	

Temperature	
Temperature measuring range	-50 – 450 °C
Resolution	0,1 K
Measuring accuracy	± 0,2 K + Sensor tolerance PT 1000 DIN IEC 751 class A
Setting accuracy	0,1 K
Control deviation	± 0,5 K
General data	
Supply voltage	8 – 16 VDC
Power consumption	15 mA (at 9 V)
Max. ON time	100 %
Plug	6 pin DIN 45322
Connection	DIN 12878 class 2
Dimensions (W x D x H)	82 x 22 x 83 mm (without sensor)
Weight	0,2 kg
Permissible ambient temperature	0 – 60 °C
Permissible relative humidity	80 %
Protection class acc. to DIN EN 60529	IP 54

Temperature	
Temperature measuring range	-50 – 450 °C
Resolution	0,01 K
Measuring accuracy	± 0,05 K + Sensor tolerance PT 1000 DIN IEC 751 class A
Setting accuracy	0,1 K
Control deviation	± 0,2 K
pH measurement	
Measuring range	0 – 14 pH
Accuracy	± 0,1 pH
Resolution	± 0,01 pH
pH connection	BNC-bushing
General data	
Supply voltage	8 – 16 VDC
Power consumption	15 mA (at 9 V)
Max. ON time	100 %
Plug	6 pin DIN 45322
Connection	DIN 12878 class 2
Dimensions (W x D x H)	96 x 45 x 98 mm (without sensor)
Weight	0,2 kg
Permissible ambient temperature	0 – 60 °C
Permissible relative humidity	80 %
Protection class acc. to DIN EN 60529	IP 54

Electronic Contact Thermometers  
ETS-D5 and ETS-D6

Ensures perfect temperature control without overshooting the set temperature, even in the case of quick heating. With optimized PID control and RESET function, incl. stainless steel sensor H 62.51. For all magnetic stirrers with contact thermometer bushing according to DIN 12878, class 2 (e.g. IKA®, Heidolph and Corning with adapter AD-C1, Ident. No. 3414000, please order separately).

## ETS-D6 additionally:

- With integrated pH measuring instrument (without pH electrode)
- Large, graphic LCD display with multilingual user guide
- Software labworldsoft® is available to document all measured values via PC

3 modes of operation guarantee optimum adjustment to your working method:

## Operating mode A

Suitable for work with varying parameters (from -50 °C to 450 °C). Safety temperature adjustable.

## Operating mode B

Suitable for series operation under uniform conditions.

## Operating mode C

Suitable for unsupervised operation.

All values are taken from the memory. This ensures perfect protection against inadvertent improper adjustment.

## Accessories ETS-D5 and ETS-D6 (page):

Sensor (28): H 62.51, H 66.51, H 70 Extension cable (28), H 52 Power pack set (28), H 16 V Support rod (33), H 44 Boss head clamp (33), H 38 Holding rod (33)

## IKA® Mixing

Magnetic stirrers accessories



ETS-D5

Ident. No.	
3378000	



ETS-D6

Ident. No.	
3378100	

## IKA® Mixing

28 Magnetic stirrers accessories

**H 62.51 Stainless steel sensor**

Spare sensor for use with ETS-D5 and ETS-D6.

General data	
Depth of immersion	230 mm
Diameter	3 mm
Length	260 mm
Material	AISI 316 Ti

**H 66.51 Stainless steel sensor glass-coated**

For use with ETS-D5 and ETS-D6, for work with aggressive media such as acid and alkaline solutions.

General data	
Depth of immersion	230 mm
Diameter	6 mm
Length	260 mm
Material	borosilicate glass 3.3

**H 70 Extension cable**

To separate the casing from the sensor. The casing with the electronics may thus be kept away from dangerous vapor released by the medium (for use with ETS-D5 and ETS-D6).

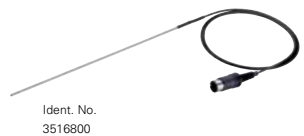
General data	
Length	1 m

**H 52 Power pack set**

The power pack set is required in order to operate older magnetic stirrer models (prior to 1990) with ETS-D5 and ETS-D6. If you have any questions, please contact our service department. In addition, the power pack set features an analog output to document signals on a recorder.

Accessories (page):  
labworldsoft® (153), DC 2 DATACONTROL (157), AK 2.1 Analogkabel (158)

PC documentation is also possible in combination with DC 2 DATACONTROL and labworldsoft®.

**PT 1000.60 Temperature sensor**

Made of stainless steel, for use with RCT basic *safety control* (338000 and 3810000) and RET basic (3622000).

General data	
Depth of immersion	230 mm
Diameter	3 mm
Material	AISI 316 Ti

**PT 1000.70 Temperature sensor glass-coated**

Glass-coated, for work with aggressive media such as acid and alkaline solutions, for RCT basic (3380000 and 3810000) and RET basic (3622000).

General data	
Depth of immersion	230 mm
Diameter	7 mm
Material	borosilicate glass 3.3

## IKA® Mixing

29 Magnetic stirrers accessories

General data	
Depth of immersion	230 mm
Diameter	3 mm
Material	AISI 316 Ti

**PT 100.50 Temperature sensor**

For use with RET control-visc / *C safety control* and RET control/t.

Accessories (page):

H 16 V Support rod (33), H 44 Boss head clamp (33), H 38 Holding rod (33)



General data	
Depth of immersion	230 mm
Diameter	8 mm
Material	borosilicate glass 3.3

**PT 100.51 Temperature sensor**

For use with RET control-visc / *C safety control* and RET control/t, glass-coated for work with aggressive media such as acid and alkaline solutions.

Accessories (page):

H 16 V Support rod (33), H 44 Boss head clamp (33), H 38 Holding rod (33)



General data	
Depth of immersion	60 mm
Diameter	3 mm
Material	AISI 316 Ti

**PT 100.52 Temperature sensor**

Made of stainless steel, for use with RET control-visc / *C safety control* and RET control/t.

Accessories (page):

H 16 V Support rod (33), H 44 Boss head clamp (33), H 38 Holding rod (33)



General data	
Depth of immersion	230 mm
Diameter	3 mm
Material	AISI 316 Ti

**PT 1000.50 Temperature sensor**

2 separate steel sensors for heat transfer fluid and medium. Ideal for the magnetic stirrers RET control-visc / *C safety control* and RET control/t.

Accessories (page):

H 16 V Support rod (33), H 44 Boss head clamp (33), H 38 Holding rod (33)



General data	
Depth of immersion	230 mm
Diameter	3 mm
Material	borosilicate glass 3.3

**PT 1000.51 Temperature sensor**

As per PT 1000.50, but glass-coated for work with corrosive media such as acids and lyes.

Accessories (page):

H 16 V Support rod (33), H 44 Boss head clamp (33), H 38 Holding rod (33)



## IKA® Mixing

Magnetic stirrers accessories

## IKA® Mixing

Magnetic stirrers accessories

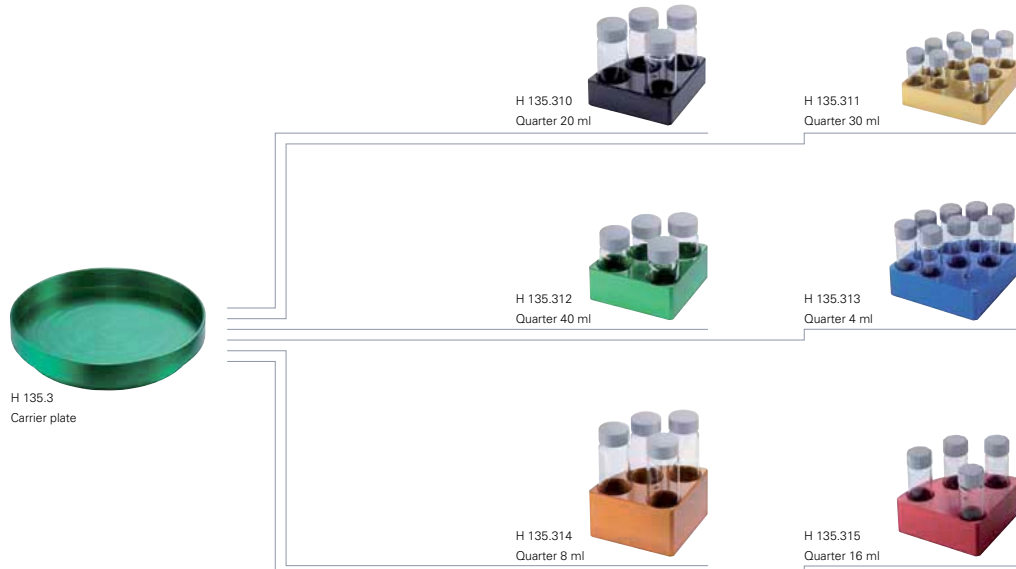
## Quarter System

The carrier plate can be fitted with four identical or differing aluminium quarters, allowing up to 36 reaction vessels to be processed at the same time. The aluminium quarters guarantee optimal heat transfer throughout the process with no interference to the magnetic field. This ensures that all the containers are processed at the same temperature and that the contents are uniformly mixed. The different colours used for the various quarters makes them easier to distinguish.

- Multiple syntheses with only one magnetic stirrer.
- Uniform mixing in every vessel
- High-precision thermal conduction directly into the quarters
- Same temperature in all vessels
- Wide range of applications thanks to exchangeable quarters
- Safe and clean working

Code	Name	Description	Colour	Ident. No.
H 135.3	Carrier plate	Ø 135 mm	Green	3904000
H 135.310	*Quarter, 20 ml reaction vessel	4 bore holes (Ø 28 mm, 24 mm deep)	Black	3904100
H 135.311	*Quarter, 30 ml reaction vessel	4 bore holes (Ø 28 mm, 30 mm deep)	Green	3504200
H 135.312	*Quarter, 40 ml reaction vessel	4 bore holes (Ø 28 mm, 42,8 mm deep)	Orange	3504300
H 135.313	*Quarter, 4 ml reaction vessel	9 bore holes (Ø 15,2 mm, 19 mm deep)	Gold	3504400
H 135.314	*Quarter, 8 ml reaction vessel	8 bore holes (Ø 17,75 mm, 25,5 mm deep)	Blue	3504500
H 135.315	*Quarter, 16 ml reaction vessel	4 bore holes (Ø 21,6 mm, 31,7 mm deep)	Red	3504600

\*Glassware not included



NEW!

## Reaction Block System

The reaction block allows syntheses to be carried out in round flasks at temperatures of up to 180 °C. This system ensures optimal heat transfer from the heating plate directly into the medium. Uniform mixing is also guaranteed because there is no interference to the magnetic field from the aluminium blocks. The Teflon coating prevents burning and ensures that working with the system is safe. Reaction blocks are available in three standard sizes. These can be adapted to various flask sizes using the appropriate inserts.

- Syntheses in round flasks at up to 180 °C
- Uniform mixing
- High-precision thermal conduction directly into the reaction block
- Teflon coating protects against burning
- Wide range of applications thanks to exchangeable inserts
- Safe and clean working

Code	Name	Suitable inserts	Colour	Ident. No.
H 135.4	*Reaction block, 100 ml round flask	H 135.410, H 135.411, H 135.412	Black	3804700
H 135.5	*Reaction block, 500 ml round flask	H 135.510, H 135.511, H 135.512	Purple	3905100
H 135.6	*Reaction block, 1,000 ml round flask	H 135.610	Blue	3905600
H 135.410	*Insert, 10 ml round flask		Gold	3904800
H 135.411	*Insert, 25 ml round flask		Blue	3904900
H 135.412	*Insert, 50 ml round flask		Red	3905000
H 135.510	*Insert, 200 ml round flask		Turquoise	3905200
H 135.511	*Insert, 250 ml round flask		Clear	3505300
H 135.512	*Insert, 300 ml round flask		Black	3505400
H 135.610	*Insert, 500 ml round flask		Purple	3505500

\*Glassware not included



NEW!

## IKA® Mixing

Magnetic stirrers accessories

IKA® Mixing  
Magnetic stirrers accessories

## H 16 V

Support rod for all magnetic stirrers with M 10 threaded bushing, [page 33](#)

Ident. No. 1545100

## PT 1000.70

Temperature sensor, glass-coated, [page 28](#)

Ident. No. 3378100

## H 38

Holding rod for fastening ETS-D5 or ETS-D6 with H 44 to the support rod H 16 V, [page 33](#)

Ident. No. 3547700

## H 44

Boss head clamp, [page 33](#)

Ident. No. 2437700

## H 135.310, H 135.311, H 135.312, H 135.314

Quarter, [page 30](#)

Ident. No. 3904100, 3504200, 3504300, 3504400

## H 135.3

Carrier plate, [page 30](#)

Ident. No. 3904000

## H 135.511

Insert 250 ml, [page 31](#)

Ident. No. 3505300

## H 135.3

Reaction block 500 ml, [page 31](#)

Ident. No. 3905100

RCT basic *safety control* IKAMAG®The improvement of the bestseller, incl. protective cover H 100, [page 12](#)

Ident. No. 3810000



General data	
Diameter	10 mm
Length	450 mm
Thread	M 10
Material	stainless steel (AISI 304)

## H 16 V Support rod

Stainless steel support rod for all magnetic stirrers with M 10 threaded bushing.

## Accessories (page):

R 380 Stand support (33), H 16.1 Extension (33), H 44 Boss head clamp (33), H 38 Holding rod (33)

## H 16.1 Extension

For work with bath attachment over 180 mm Ø.

## R 380 Stand support

Fits along the multifunction strips of the magnetic stirrers RET basic *safety control*, RET control-*visc safety control*, RET control-*visc C safety control* and RET control-*t*. It allows the support rod H 16 V to be fixed at any given position and also to use several support rods.

## Accessories (page):

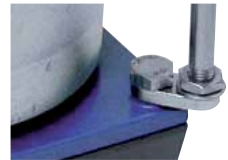
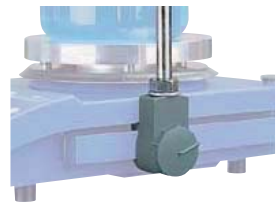
H 16 V Support rod (33)

## H 44 Boss head clamp

For fastening the holding rod H 38 (p. 33) to the support rod H 16 V (p. 33).

## H 38 Holding rod

For fastening ETS-D5 or ETS-D6 with H 44 (p. 33) to the support rod H 16 V (p. 33).

Ident. No.  
1545100Ident. No.  
5000500Ident. No.  
2636700Ident. No.  
2437700Ident. No.  
3547700

## IKA® Mixing

Magnetic stirrers accessories

H 99  
Ident. No.  
2734500

H 100  
Ident. No.  
3661000

H 101  
Ident. No.  
3666000



### H 99 Protective cover

### H 100 Protective cover

### H 101 Protective cover

Resistant to most acids, alkaline solutions and organic solvents.  
The protective cover is included with the magnetic stirrer.

General data	
Material	silicone
Max. temperature	135 °C
Protective cover	
H 99	for RET control/t, RET control-visc RET basic (3188800, 3197600)
H 100	for RET basic s.c. (3622000), RCT basic s.c. (3380000, 3810000)
H 101	for REO basic

Ident. No.  
0551300



### H 15 Bath attachment

Stainless steel bath attachment, suitable for tempering 0,5 and 1 l flasks.

General data	
Inner diameter	140 mm
Height	125 mm
Volume	1,5 l

Ident. No.  
2167400



### H 28 Bath attachment

Stainless steel bath attachment, suitable as a sand bath basin.

General data	
Inner diameter	140 mm
Height	70 mm
Volume	1 l
Max. temperature	350 °C

H 29  
Ident. No.  
2829400

H 30  
Ident. No.  
2829500



### H 29 Oil bath attachment

### H 30 Oil bath attachment

The oil bath attachments H 29 and H 30 can be used as oil baths together with an IKAMAG® magnetic stirrer with heating or with an IKATHERM® heating plate having a diameter of 135 mm.

- Positioning border prevents sliding on the heating plate
- Safety grips protect you from burns caused by hot oil
- The bath attachment is made of aluminum. This ensures good heat transfer and quick heating-up of the tempering medium
- Easy cleaning
- The bath attachments can **only be used as an oil bath**

General data			
Inner diameter	H 29	136 – 180 mm	
	H 30	136 – 190 mm	
Height	H 29	81 mm	
	H 30	110 mm	
Volume	H 29	1 l	
	H 30	1,5 l	

Magnetic stirrers accessories

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General data			
For heating plate diameter		135 mm	
Material		aluminum	
Diameter enlarged to		200 mm	

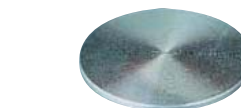
  

Ident. No.	Description	Length	Ø
1572000	IKAFLO® 10*	10 mm	6 mm
1572100	IKAFLO® 15*	15 mm	6 mm
1572200	IKAFLO® 20*	20 mm	8 mm
1572300	IKAFLO® 25*	25 mm	8 mm
1572400	IKAFLO® 30*	30 mm	8 mm
1572500	IKAFLO® 40*	40 mm	8 mm
1572600	IKAFLO® 50*	50 mm	8 mm
1572800	IKAFLO® 80*	80 mm	10 mm
0793300	IKAFLO® 110	110 mm	27 mm
1129000	IKAFLO® 155	155 mm	27 mm

Ident. No.	Description	Length
0356600	TRIKA® 25*	25 mm
0356500	TRIKA® 40*	40 mm

### H 12/ 135 Supporting plate

For increasing the heating plate to a diameter of 200 mm.



Ident. No.  
0771700

### IKAFLO® Magnetic stirring bars

Round, PTFE-coated.



### TRIKA® Magnetic stirring bars

Triangular, PTFE-coated, especially suited for stirring liquids which have a low solids content and where sedimentation is not desired.



### RS 1 Set of magnetic stirring bars

Consisting of the IKAFLO® and TRIKA® Magnetic stirring bars marked with \*, see above.



Ident. No.  
1358600

### RSE Stirring bar remover

For all stirring bars up to 80 mm in length, PTFE-coated.



Ident. No.  
1293100

### H 11 Mains cable

Spare

Ident. No.	Plug type
1091500	Euro plug
3564500	USA plug
2410700	UK plug
1091600	CH plug

