

Мешалки магнитные с подогревом CARL ROTH

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Heating/magnetic stirrers



Multi-position magnetic stirrer with heater SB 162-3

Stuart.

Features:

- Hot plates with aluminium/silicone alloy for uniform temperature distribution
- Three independently controlled stirring/heating positions
- With separate safety warning lamp for each stirring/heating position; lights up when hot plate temperature exceeds 50 °C

Technical specifications:

Art. No.	KN82.1
Type	SB 162-3
Number of stirring points	3
Max. stirring capacity (H ₂ O)	15 l
Speed range	100 to 1500 rpm
Speed display	Scales
Temperature range	to 325 °C
Heating output	3 x 700 W
Footprint	160 x 160 mm
W x D x H, total	600 x 270 x 110 mm
Weight	11 kg
Mains connection	230 V, 50/60 Hz

Type	Art. No.	Pack Qty.	
SB 162-3	KN82.1	1 unit(s)	



Multi-position magnetic stirrer with heater RSM-03-4KH

Phoenix Instrument.

- Four independently controlled stirring/heating positions
- LCD displays show the current temperatures or speeds
- **Integrated contact thermometer with full functionality for direct control of medium temperature using Pt 1000 measuring probe**
- Stainless steel hot plate with ceramic coating
- Overheating protection at 420 °C

Technical specifications:

Art. No.	1K9A.1
Type	RSM-03-4KH
Number of stirring points	4
Max. stirring capacity (H ₂ O)	3 l
Speed range	200 to 1500 rpm
Speed display	LCD
Motor power output	1.8 W
Operating temperature	Room temperature to +340 °C
Temperature display	LCD
Setting accuracy	1 °C
Control accuracy without sensor	±5 K
Control accuracy with sensor	±1 K
Heating output	4 x 500 W
Footprint	Ø 135 mm
Clearance between stirring points	170 mm
W x D x H, total	700 x 270 x 130 mm
Weight	9,5 kg
Mains connection	200–230 V, 50 Hz

Delivery incl. four Pt 1000 temperature gauges, four stand rods and four clamps.

Type	Art. No.	Pack Qty.	
RSM-03-4KH	1K9A.1	1 unit(s)	

Heating/magnetic stirrers



Multi-position magnetic stirrer with heater MULTI-HS series

Velp.

Simultaneous mixing at 6 or 15 stirring positions with identical intensity and homogeneous temperature distribution.

- Digital speed and temperature display
- Aluminium hot plate with protective coating made of ceramic
- **With integrated tempering plate**
- Constant speed, even after changes in medium viscosity
- Safety warning display comes on at temperatures above 50 °C
- Integrated timer operation (1 min to 99 h, 59 mins), with audible signal when the countdown has ended
- Adjustable automatic reversal of direction of rotation (5 sec to 99 min, 59 sec in 1 sec increments)
- Max. medium temperature 70 °C (depending on vessel)

Technical specifications:

Art. No.	1AN5.1	1AN6.1
Type	MULTI-HS 6	MULTI-HS 15
Number of stirring points	6	15
Max. stirring capacity (H ₂ O)	400 ml	250 ml
Speed range	100 to 1000 rpm	
Speed display	Digital	
Speed display accuracy	5 rpm	
Operating temperature	Room temperature up to 120 °C (setting accuracy ±1 °C)	
Temperature display	Digital	
Heating output	600 W	
Timer function	1 min up to 99 h, 59 min	
Footprint	432 x 223 mm	
Clearance between stirring points	100 mm	74 mm
W x D x H, total	240 x 550 x 65 mm	
Weight	4,7 kg	4,8 kg
Mains connection	230 V, 50/60 Hz	

HS 6 model

With six stirring positions for 400 ml beaker.

Type	Art. No.	Pack Qty.	
MULTI-HS 6	1AN5.1	1 unit(s)	

HS 15 model

With 15 stirring positions for 250 ml beaker.

Type	Art. No.	Pack Qty.	
MULTI-HS 15	1AN6.1	1 unit(s)	



Multi-position magnetic stirrer with heater RT series

IKA.

Simultaneous mixing at 5, 10 or 15 stirring positions with identical intensity and homogeneous temperature distribution.

- Digital speed and temperature display
- **With integrated tempering plate**
- Stainless steel surface
- Stirring positions arranged in-line for optimum use of surface area (1 x 5, 2 x 5 or 3 x 5)
- Adjustable reversing mode with change of direction (adjustable to 30/60/90/120 sec)
- Eco mode for heat-free long-term operation with reduced power
- Max. medium temperature 70 °C (depending on vessel)
- Speed can be adjusted in increments of 10 rpm

Technical specifications:

Art. No.	XT36.1	XT37.1	XT38.1
Type	RT 5	RT 10	RT 15
Number of stirring points	5	10	15
Max. stirring capacity (H ₂ O)	0.4 l		
Max. stirring capacity with larger vessels	2 l	4 l	6 l
Speed range	0 to 1000 rpm		
Speed display	LED		
Operating temperature	Ambient temperature up to 120 °C (setting accuracy ±1 °C)		
Temperature display	LED		
Footprint	110 x 495 mm	180 x 495 mm	270 x 495 mm
Clearance between stirring points	90 mm		
W x D x H, total	120 x 610 x 60 mm	190 x 610 x 60 mm	280 x 610 x 60 mm
Weight	4 kg	7.5 kg	10.5 kg
Mains connection	220–240 V, 50/60 Hz		

Type	Art. No.	Pack Qty.	
RT 5	XT36.1	1 unit(s)	
RT 10	XT37.1	1 unit(s)	
RT 15	XT38.1	1 unit(s)	



Heating/magnetic stirrers



Heating and magnetic stirrers ROTILABO® MH 15

ROTH SELECTION.

- Aluminium hot plate with protective coating
- With elevated control panel to protect against leaking liquids
- Constant speed, even after changes in medium viscosity
- Front panel with °C and rpm scale

Technical specifications:

Art. No.	AAN2.1
Type	MH 15
Number of stirring points	1
Max. stirring capacity (H ₂ O)	15 l
Speed range	50 to 1500 rpm
Motor power input	30 W
Motor power output	23 W
Temperature range	50 to 370 °C
Heating output	630 W
Footprint	Ø 135 mm
W x D x H, total	165 x 280 x 115 mm
Weight	2.6 kg
Mains connection	230 V, 50 Hz

Type	Art. No.	Pack Qty.
MH 15	AAN2.1	1 unit(s)



Heating and magnetic stirrer RH basic 2

IKA.

- Stainless steel hot plate
- Fixed safety circuit, which limits the hot plate temperature to 400 °C

Technical specifications:

Art. No.	Y888.1
Type	RH basic 2
Number of stirring points	1
Max. stirring capacity (H ₂ O)	10 l
Speed range	100 to 2000 rpm
Motor power input	15 W
Motor power output	2 W
Operating temperature	Ambient temperature to +320 °C
Control accuracy	±15 K
Heating output	400 W
Footprint	Ø 125 mm
W x D x H, total	168 x 220 x 105 mm
Weight	2.4 kg

Type	Art. No.	Pack Qty.
RH basic 2	Y888.1	1 unit(s)

Heating/magnetic stirrers



Heating and magnetic stirrers RSM series

Phönix Instrument.

- Temperature and speed adjustment via digital display (LED display)
- Digital display of nominal and actual temperature
- **Direct connection for Pt 1000 medium temperature sensor** (if required, please order separately)
- Fixed safety circuit of 320 °C
- Platform made of stainless steel or ceramic coated steel (optional)

Technical specifications:

Art. No.	TT78.1	TT79.1
Type	RSM-10HS	RSM-10HP
Number of stirring points	1	
Max. stirring capacity (H ₂ O)	3 l	
Speed range	200 to 1500 rpm	
Speed display	LED	
Speed display accuracy	20 rpm	
Motor power input	5 W	
Motor power output	3 W	
Hotplate material	Stainless steel	Ceramic-coated steel
Operating temperature	Ambient temperature to +280 °C	
Temperature display	LED	
Control accuracy without sensor	±10 K	
Control accuracy with sensor	±2 K	
Heating output	500 W	
Footprint	Ø 135 mm	
W x D x H, total	155 x 215 x 100 mm	
Weight	1.4 kg	
Mains connection	200–240 V, 50/60 Hz	

Delivery without temperature gauge and stand kit (if required, please order separately).

Type	Art. No.	Pack Qty.	
RSM-10HS	TT78.1	1 unit(s)	
RSM-10HP	TT79.1	1 unit(s)	



Heating and magnetic stirrer RSM-14HP

Phönix Instrument.

- Temperature and speed adjustment via digital display (LCD display)
- Digital display of target and actual temperature
- **Integrated contact thermometer with full functionality. Direct connection for Pt 1000 medium temperature sensor** (if required, please order separately)
- Fixed safety circuit of 420 °C

Technical specifications:

Art. No.	KKE5.1
Type	RSM-14HP
Number of stirring points	1
Max. stirring capacity (H ₂ O)	5 l
Speed range	200 to 1500 rpm
Speed display	LCD
Speed display accuracy	20 rpm
Motor power input	2.4 W
Motor power output	1.8 W
Hotplate material	Ceramic-coated aluminium
Operating temperature	5 °C above room temperature up to +380 °C
Temperature display	LCD
Control accuracy without sensor	±10 K
Control accuracy with sensor	±2 K
Heating output	510 W
Footprint	140 x 140 mm
W x D x H, total	180 x 320 x 108 mm
Mains connection	200–240 V, 50/60 Hz

Type	Art. No.	Pack Qty.	
RSM-14HP	KKE5.1	1 unit(s)	

Accessories for heating and magnetic stirrers RSM-10HS, RSM-10HP and RSM-14HP

Phönix Instrument.

Pt 1000 temperature sensor

Made of V4A. Sensor length 190 mm, Ø 3 mm. Handle 50 mm.

Designation	Art. No.	Pack Qty.	
Pt 1000 sensor	TT80.1	1 unit(s)	

Stand kit

For attaching a single sensor probe.

Delivery incl. M8 stand rod (L 340 mm, Ø 10 mm), holder rod for Pt 1000 sensor (L 160 mm, Ø 10 mm) and clamp.

Designation	Art. No.	Pack Qty.	
Stand kit	YK80.1	1 unit(s)	



Heating/magnetic stirrers



Heating and magnetic stirrers ROTILABO® MH 20 Digital Set with integrated contact thermometer

ROTH SELECTION.

- Temperature and speed setting via digital display
- Integrated contact thermometer with full functionality for direct control of the medium temperature up to 250 °C via Pt 100 sensor (please order accessories for fastening the sensor separately)
- Aluminium hot plate with protective coating made of ceramic
- Constant speed, even after changes in medium viscosity
- A safety warning lamp indicates temperatures above 50 °C
- Adjustable safety circuit for the hot plate temperature (50 to 370 °C)
- Speed can be adjusted in increments of 10 rpm

Technical specifications:

Art. No.	EYE7.1
Type	MH 20 Digital
Number of stirring points	1
Max. stirring capacity (H ₂ O)	20 l
Speed range	50 to 1500 rpm
Speed display	digital
Temperature range	+50 to +370 °C
Temperature display	digital
Setting accuracy	±5 °C
Adjustment accuracy with measuring probe	±1 °C
Control accuracy without sensor	±10 K
Control accuracy with sensor	±2 K
Heating output	630 W
Footprint	Ø 135 mm
W x D x H, total	165 x 280 x 115 mm
Weight	2.6 kg
Mains connection	230 V, 50/60 Hz

Delivery incl. MH 20 Digital heater and magnetic stirrer and Pt 100 stainless steel temperature measuring sensor, Ø 3 mm, L 250 mm.

Type	Art. No.	Pack Qty.	
MH 20 Digital	EYE7.1	1 unit(s)	

Accessories for MH 20, AREC.X and AREX-6 heating and magnetic stirrer

ROTH SELECTION.

Accessories for fastening the sensor

Designation	Art. No.	Pack Qty.	
Stand rod	EYE8.1	1 unit(s)	
Holder for temperature gauge	EYE9.1	1 unit(s)	



Heating and magnetic stirrer AREC series

Velp.

- Digital display of hot plates' target and actual temperature
- Ceramic hot plate, white
- With elevated control panel to protect against leaking liquids
- Safety warnings come on at temperatures above 50 °C

Technical specifications:

Art. No.	1K6H.1	1K6K.1
Type	AREC	AREC.X
Number of stirring points	1	
Max. stirring capacity (H ₂ O)	15 l	
Speed range	50 to 1500 rpm	
Speed display	Scale	
Operating temperature	Room temperature to +550 °C	
Temperature display	LED	
Setting accuracy	±5 K	
Control accuracy	±10 K	
Control accuracy with sensor		±2 K
Heating output	800 W	
Footprint	180 x 180 mm	
W x D x H, total	203 x 344 x 94 mm	
Weight	3,5 kg	
Mains connection	230 V, 50/60 Hz	

(1) AREC model

- Good heat transfer and stirring power for simple laboratory applications.
- **Without** a connection option for temperature gauge Pt 100

Type	Art. No.	Pack Qty.	
AREC	1K6H.1	1 unit(s)	

(2) AREC.X model full set

- Ideal for temperature-sensitive applications in chemistry, biotech and pharmaceuticals
- Integrated contact thermometer with full functionality, for direct control of the medium temperature up to 250 °C via Pt 100 sensor

Delivery incl. Pt 100 stainless steel temperature gauge (Ø 3 mm, L 250 mm), stand rod and holder for temperature gauge.

Type	Art. No.	Pack Qty.	
AREC.X	1K6K.1	1 unit(s)	

Heating/magnetic stirrers



Heating and magnetic stirrer US/UC-series

Stuart.

Features:

- Microprocessor-controlled heating system
- Platforms are optionally available in glass ceramic (good resistance to chemicals, withstands high temperature, 120 x 120 mm heated zone) or aluminium (very rugged, 150 x 150 mm heated zone)
- A safety warning lamp indicates temperatures above 50 °C

Technical specifications:

Art. No.	PY72.1	CHA5.1	PY73.1	CHA6.1
Type	US152	US152D	UC152	UC152D
Number of stirring points	1			
Max. stirring capacity (H ₂ O)	15 l			
Speed range	100 to 2000 rpm			
Hotplate material	Aluminium/silicon-coated		Glass ceramic	
Operating temperature	5 °C above ambient temperature up to 325 °C		5 °C above ambient temperature up to 450 °C	
Temperature display	Scale	LED	Scale	LED
Setting accuracy		±5 °C		±5 °C
Control accuracy		±10 °C		±10 °C
Heated zone	150 x 150 mm		120 x 120 mm	
Heating output	700 W		500 W	
Footprint	150 x 150 mm			
W x D x H, total	172 x 248 x 120 mm			
Weight	2.9 kg			
Mains connection	230 V, 50 Hz			

Models with scale

Temperature control with LED display, colour LEDs make it easier to read current actual temperature

Pic.	Type	Art. No.	Pack Qty.
(2)	US152	PY72.1	1 unit(s)
(1)	UC152	PY73.1	1 unit(s)

Models with LED display

With digital display of actual temperature. Minimum setting temperature 25 °C.

Pic.	Type	Art. No.	Pack Qty.
(3)	US152D	CHA5.1	1 unit(s)
(4)	UC152D	CHA6.1	1 unit(s)



Heating and magnetic stirrer RH series

IKA.

- With adjustable safety circuit for the hot plate temperature, from 50 to 370 °C
- With a socket according to DIN 12878 for connection to an electronic contact thermometer, e.g. ETS-D5 (please order separately, see contact thermometer), to control the medium temperature.

Technical specifications:

Art. No.	XT23.1	XT25.1	XT24.1	XT26.1
Type	RH basic		RH digital	
Number of stirring points	1			
Max. stirring capacity (H ₂ O)	15 l			
Speed range	50 to 2000 rpm			
Speed display	Scale		LED	
Motor power input	15 W			
Motor power output	2 W			
Hotplate material	Stainless steel	Enamel coating	Stainless steel	Enamel coating
Temperature range	+50 to +320 °C			
Temperature display	Scale		LED	
Setting accuracy			±5 K	
Control accuracy without sensor	±10 K			
Control accuracy with sensor			±0,5 K	
Heating output	600 W			
Footprint	Ø 135 mm			
W x D x H, total	160 x 246 x 90 mm			
Weight	2 kg			
Mains connection	220–240 V, 50/60 Hz			

RH basic models

Delivery without ETS-D5 contact thermometer; please order separately.

Type	Version	Art. No.	Pack Qty.
RH basic	With stainless steel hot plate	XT23.1	1 unit(s)
RH basic	With enamel coating	XT25.1	1 unit(s)

RH digital models

- Digital display of temperature and speed
- Error code display
- Easy operation via membrane keypad

Delivery without ETS-D5 contact thermometer; please order separately.

Type	Version	Art. No.	Pack Qty.
RH digital	With stainless steel hot plate	XT24.1	1 unit(s)
RH digital	With enamel coating	XT26.1	1 unit(s)



Heating/magnetic stirrers



Heating and magnetic stirrers C-MAG HS series

IKA.

General information for all models:

- Ceramic glass hot plate
- Temperature setting via digital display (LED)
- Digital display of hot plate target temperature
- Error code display in the event of fault
- Fixed safety circuit of 550 °C
- Hot Top Indicator (hot surface warning)

Technical specifications:

Art. No.	LN35.1	LN36.1	LN37.1
Type	C-MAG HS 4	C-MAG HS 7	C-MAG HS 10
Number of stirring points	1		
Max. stirring capacity (H ₂ O)	5 l	10 l	15 l
Speed range	100 to 1500 rpm		
Speed display	Scale		
Motor power input	15 W		
Motor power output	1.5 W		
Temperature range	+50 to +500 °C		
Control accuracy	±10 K		
Heating output	250 W	1000 W	1500 W
Footprint	100 x 100 mm	180 x 180 mm	260 x 260 mm
W x D x H, total	150 x 260 x 105 mm	220 x 330 x 105 mm	300 x 415 x 105 mm
Weight	3 kg	5 kg	6 kg
Mains connection	230 V, 50/60 Hz		

C-MAG HS 4 model

Type	Art. No.	Pack Qty.	
C-MAG HS 4	LN35.1	1 unit(s)	

Models with contact thermometer connection

Additionally available with DIN-socket 12878 for connecting an electronic contact thermometer, e.g. ETS-D5, for high-precision temperature control.

Type	Art. No.	Pack Qty.	
C-MAG HS 7	LN36.1	1 unit(s)	
C-MAG HS 10	LN37.1	1 unit(s)	



Heating and magnetic stirrers C-MAG HS 7 complete set

IKA.

C-MAG HS 7 magnetic stirrer with heater:

- Ceramic glass hot plate
- Temperature setting via digital display (LED)
- Digital display of hot plate target temperature
- Error code display in the event of fault
- Fixed safety circuit of 550 °C
- Hot Top Indicator (hot surface warning)
- Bushing for connecting a contact thermometer ETS-D5

ETS-D5 contact thermometers

- Medium temperature control via actual temperature display. Bushing according to DIN 12878 for connecting a contact thermometer. Temperature control with no medium temperature overshoot.

Technical specifications:

Art. No.	LY79.1
Type	C-MAG HS 7 complete set
Number of stirring points	1
Max. stirring capacity (H ₂ O)	10 l
Speed range	100 to 1500 rpm
Speed display	Scale
Motor power input	15 W
Motor power output	1.5 W
Temperature range	+50 to +500 °C
Control accuracy	±10 K
Heating output	1000 W
Footprint	180 x 180 mm
W x D x H, total	220 x 330 x 105 mm
Weight	5 kg
Mains connection	230 V, 50/60 Hz

ETS-D5 contact thermometer

Technical specifications:

Measuring/control range	-50 to 450 °C
Resolution	0.1 °C
Measurement accuracy	±0.2 K
Setting accuracy	±0.1 K
Control deviation	±0.5 K
Dimensions (W x D x H)	82 x 22 x 83 mm

Delivery incl. C-MAG HS 7 heater and magnetic stirrer, ETS-D5 contact thermometer incl. Pt 1000 stainless steel measuring probe, stand rod, holder rod and clamp.

Type	Art. No.	Pack Qty.	
C-MAG HS 7 complete set	LY79.1	1 unit(s)	

Heating/magnetic stirrers



Heating and magnetic stirrer digital complete set AREX-6

Velp.

- Hot plate made of aluminium with ceramic coating
- Clear white LED display with icons for easy identification and navigation through the menus
- Temperature and speed setting via digital display
- Integrated contact thermometer with full functionality, for direct control of the medium temperature up to 250 °C via Pt 100 sensor
- Timer function – switches the stirring and heating function off on expiration of the countdown
- Adjustable reversing mode with change of direction (from 5 sec to 99 min, in 1 sec increments)
- Independent safety circuits protect the device in the event of overtemperature
- Adjustable max. temperature limit
- Probe Detector Alarm: Detects if the temperature gauge is not immersed in the medium
- Resistant cast housing (IP 42)
- Constant speed, even after changes in medium viscosity
- Speed can be adjusted in increments of 5 rpm

Technical specifications:

Art. No.	HLN1.1
Type	AREX-6 Digital
Max. stirring capacity (H ₂ O)	20 l
Speed range	30 to 1700 rpm
Speed display	digital
Operating temperature	Room temperature to +370 °C
Temperature display	digital
Setting accuracy	1 °C
Control accuracy without sensor	±10 K
Control accuracy with sensor	±1 K
Heating output	600 W
Timer function	1 to 99 min in 1-min increments
Footprint	Ø 135 mm
W x D x H, total	160 x 280 x 105 mm
IP rating	42
Weight	2.6 kg
Mains connection	230 V, 50/60 Hz

Delivery incl. Pt 100 stainless steel temperature measuring sensor (Ø 3 mm, L 250 mm), stand rod and holder for temperature gauge.

Type	Art. No.	Pack Qty.	
AREX-6 Digital	HLN1.1	1 unit(s)	

Accessories for MH 20, AREC.X and AREX-6 heating and magnetic stirrer

ROTH SELECTION.

Accessories for fastening the sensor

Designation	Art. No.	Pack Qty.	
Stand rod	EYE8.1	1 unit(s)	
Holder for temperature gauge	EYE9.1	1 unit(s)	

Replacement stainless steel Pt 100 temperature measuring sensor, Ø 3 mm, L 250 mm

Designation	Art. No.	Pack Qty.	
Replacement stainless steel Pt 100 temperature measuring sensor, Ø 3 mm, L 250 mm	EYH0.1	1 unit(s)	

Accessories for heating and magnetic stirrer

Velp.

Temperature measuring sensor, glass-coated Pt 100, Ø 5 mm, L 250 mm

Designation	Art. No.	Pack Qty.	
Temperature measuring sensor, glass-coated Pt 100, Ø 5 mm, L 250 mm	HLN2.1	1 unit(s)	

Silicone protective hood

Designation	Art. No.	Pack Qty.	
Silicone protective hood for AREX-6 Digital	HLN3.1	1 unit(s)	



Heating/magnetic stirrers



Heating and magnetic stirrer C-MAG HS-Digital series

IKA.

- Ceramic glass hot plate
- Large LCD display for simultaneous display of the actual and target temperatures for the hot plate (actual temperature display when temperature gauge is connected with a resolution of 0.1 °C)
- Can be directly connected to Pt 1000.60 medium temperature sensor
- **Integrated contact thermometer with full functionality**
- Error code display in the event of fault
- Hot surface warning
- Fixed safety circuit for hot plate temperature at 550 °C

Technical specifications:

Art. No.	XT59.1	XT60.1	XT61.1
Type	HS 4 digital	HS 7 digital	HS 10 digital
Number of stirring points	1		
Max. stirring capacity (H ₂ O)	5 l	10 l	15 l
Speed range	100 to 1500 rpm		
Speed display	Scale		
Motor power input	15 W		
Motor power output	1.5 W		
Temperature range	+50 to +500 °C		
Temperature display	LCD		
Setting accuracy	±1 K		
Control accuracy without sensor	±10 K		
Control accuracy with sensor	±0,5 K		
Heating output	250 W	1000 W	1500 W
Footprint	100 x 100 mm	180 x 180 mm	260 x 260 mm
W x D x H, total	150 x 260 x 105 mm	215 x 330 x 105 mm	300 x 415 x 105 mm
Weight	3 kg	5 kg	6 kg
Mains connection	230 V, 50/60 Hz		

Delivery incl. Pt 1000.60 stainless steel temperature gauge.

Type	Art. No.	Pack Qty.	
HS 4 digital	XT59.1	1 unit(s)	
HS 7 digital	XT60.1	1 unit(s)	
HS 10 digital	XT61.1	1 unit(s)	

Accessories for heating and magnetic stirrer

IKA.

For fastening a Pt 1000 measuring probe

Designation	Art. No.	Pack Qty.	
Stand rod	A315.1	1 unit(s)	
Clamp	A316.1	1 unit(s)	
Holder rod	HA16.1	1 unit(s)	



Heating and magnetic stirrers MR Hei-Standard

Heidolph.

Features:

- Heating output 800 W
- Stirring capacities up to 20 l
- Hot plate made of silumin with ceramic coating
- Independent safety circuit switches off the heating at 25 °C over the preset hot plate temperature with a separate circuit
- Residual heat warning

Technical specifications:

Art. No.	HA08.1
Type	MR Hei-Standard
Number of stirring points	1
Max. stirring capacity (H ₂ O)	20 l
Speed range	100 to 1400 rpm
Speed accuracy	±2 %
Operating temperature	Room temperature to +300 °C
Setting accuracy	±5 K
Control accuracy	±5 K
Heating output	800 W
Footprint	Ø 145 mm
W x D x H, total	173 x 277 x 94 mm
Weight	2.6 kg

Type	Art. No.	Pack Qty.	
MR Hei-Standard	HA08.1	1 unit(s)	

Heating/magnetic stirrers



Heating and magnetic stirrers MR Hei series

Heidolph.

- Digital display of hot plate target temperature and target speed
- Heating output 800 W
- Stirring capacities up to 20 l
- Hot plate made of silumin with ceramic coating
- Independent safety circuit switches off the heating at 25 °C over the preset hot plate temperature with a separate circuit
- **Direct connection facility for PT 100 medium temperature sensor** (please order the desired temperature measuring sensor and the accessories for attaching the measuring probe separately, the packages with Art. No. 1ATN.1 and 1ATP.1 include the accessories)
- Integrated contact thermometer with full functionality
- Residual heat warning

Technical specifications:

Art. No.	HA10.1	1ATN.1	HCK1.1	1ATP.1
Type	Hei-Tec	Hei-Tec Silver 1 package	Hei-Connect	Hei-Connect Silver 2 package
Number of stirring points	1			
Max. stirring capacity (H ₂ O)	20 l			
Speed range	100 to 1400 rpm			
Speed accuracy	±2 %			
Operating temperature	Ambient temperature to 300 °C			
Setting accuracy	±1 K			
Control accuracy without sensor	±5 K			
Control accuracy with sensor	±1 K			
Heating output	800 W			
Footprint	Ø 145 mm			
W x D x H, total	173 x 277 x 94 mm			
Weight	2.6 kg			

Hei-Tec model

Delivery without temperature gauge (if required, please order separately).

Type	Art. No.	Pack Qty.
Hei-Tec	HA10.1	1 unit(s)

Hei-Tec Silver 1 package

Delivery incl. Hei-Tec heating and magnetic stirrer, Pt 1000 (V4A) temperature sensor and holder for Pt 1000 (contains supporting rod and holder with cable duct).

Type	Art. No.	Pack Qty.
Hei-Tec Silver 1 package	1ATN.1	1 unit(s)

Hei-Connect model

- With RS 232 interface for process documentation and reproducible results
- With timer function (1 to 999 min)

Delivery without temperature gauge (if required, please order separately).

Type	Art. No.	Pack Qty.
Hei-Connect	HCK1.1	1 unit(s)

Hei-Connect Silver 2 package

- With RS 232 interface for process documentation and reproducible results
- With timer function (1 to 999 min)

Delivery incl. Hei-Connect heater and magnetic stirrer, Pt 1000 (V4A) temperature sensor, holder for Pt 1000 (contains supporting rod and holder with cable duct) and RS 232 interface cable.

Type	Art. No.	Pack Qty.
Hei-Connect Silver 2 package	1ATP.1	1 unit(s)

Accessories for MR Hei-Tec, MR Hei-Connect and MR Hei-End heating and magnetic stirrers

Heidolph.

Pt 1000 temperature measuring sensor made of V4A

Designation	Art. No.	Pack Qty.
PT 1000 sensor V4A	T041.1	1 unit(s)

Pt 1000 temperature measuring sensor with glass coating

Designation	Art. No.	Pack Qty.
Pt 1000 with glass coating	T042.1	1 unit(s)

Stand kit

For attaching a single sensor probe.

Delivery incl. M10 stand rod (L 425 mm, Ø 13 mm) and holder with cable terminal strip (L 85 mm)

Designation	Art. No.	Pack Qty.
Stand kit	ALN8.1	1 unit(s)



Heating/magnetic stirrers



Heating and magnetic stirrer RCT basic *safety control* IKA.

- Temperature and speed setting via digital display
- The set safety temperature is shown on a digital display
- Hot Top indicator (hot surface warning)
- Adjustable safety circuit for the hot plate temperature (50 to 360 °C)
- Aluminium hot plate
- **Can be directly connected to PT 1000 medium temperature sensor.** (Please order accessories for fastening the sensor separately).
- Integrated contact thermometer with full functionality
- DIN socket 12878 for connection to an electronic contact thermometer, e.g. ETS-D5 for accurate temperature control (please order separately, see contact thermometer). Control accuracy with ETS-D5: ± 0.5 K.

Technical specifications:

Art. No.	EY83.1
Type	RCT basic safety control
Number of stirring points	1
Max. stirring capacity (H ₂ O)	20 l
Speed range	50 to 1500 rpm
Speed display	digital
Motor power input	16 W
Motor power output	9 W
Temperature range	to 310 °C
Temperature display	digital
Setting accuracy	± 1 K
Control accuracy without sensor	± 10 K
Control accuracy with sensor	PT 1000: ± 1 K ETS-D5: $\pm 0,5$ K
Heating output	600 W
Footprint	Ø 135 mm
W x D x H, total	160 x 270 x 85 mm
Weight	2.5 kg

Delivery incl. protective hood and PT 1000 temperature gauge.

Type	Art. No.	Pack Qty.	
RCT basic safety control	EY83.1	1 unit(s)	

Accessories for heating and magnetic stirrer

IKA.

For fastening a Pt 1000 measuring probe

Designation	Art. No.	Pack Qty.	
Stand rod	A315.1	1 unit(s)	
Clamp	A316.1	1 unit(s)	
Holder rod	HA16.1	1 unit(s)	



Heating and magnetic stirrer RCT series

IKA.

- Aluminium hot plate
- Clear display incl. target/actual value display for temperature and speed
- Housing surface made of toughened glass for optimum cleaning and chemical resistance
- **Integrated contact thermometer with full functionality, for direct control of the medium temperature**
 - „Sensor in medium“ detection
 - Adjustable safety circuit (50 to 360 °C)
- **Integrated timer function**
 - Adjustable automatic reversal of direction of rotation (10 sec to 10 min) and pause time (3 sec to 5 min)
- **Direction of rotation of the magnetic motor can be adjusted by turning to the left or right**
- Hot surface warning
- USB/RS 232 interface

Technical specifications:

Art. No.	HPA5.1	1A33.1
Type	RCT digital	RCT 5 digital
Number of stirring points	1	
Max. stirring capacity (H ₂ O)	20 l	
Speed range	50 to 1500 rpm	
Speed display	LCD	
Operating temperature	Ambient temperature to +310 °C	
Temperature display	LCD	
Setting accuracy	1 °C	
Control accuracy without sensor	± 5 K	
Control accuracy with sensor	$\pm 0,5$ K	
Heating output	600 W	850 W
Timer function	99 h, 99 min and 59 sec	
Footprint	Ø 135 mm	137 x 137 mm
W x D x H, total	160 x 270 x 85 mm	
Weight	2,4 kg	2,6 kg
Mains connection	220–230 V, 50/60 Hz	

Delivery incl. Pt 1000.60 stainless steel temperature measuring sensor (Ø 3 mm, L 230 mm).

RCT digital

With round footprint made of aluminium. Heat output 600 W.

Type	Art. No.	Pack Qty.	
RCT digital	HPA5.1	1 unit(s)	

Heating/magnetic stirrers

RCT 5 digital

With rectangular base made of white, coated ceramic. Heat output 850 W.

Type	Art. No.	Pack Qty.	
RCT 5 digital	1A33.1	1 unit(s)	

Accessories for heating and magnetic stirrer

IKA.

For fastening a Pt 1000 measuring probe

Designation	Art. No.	Pack Qty.	
Stand rod	A315.1	1 unit(s)	
Clamp	A316.1	1 unit(s)	
Holder rod	HA16.1	1 unit(s)	



Heating and magnetic stirrer with large CB/SB series hot plate

Stuart.

Features:

- Hot plate is available in chemical-resistant ceramic or robust aluminium
- Safety warning lamp comes on at temperatures above 50 °C

Technical specifications:

Art. No.	KN93.1	KN94.1
Type	CB 302	SB 302
Number of stirring points	1	
Max. stirring capacity (H ₂ O)	15 l	
Speed range	100 to 1500 rpm	
Speed display	Scale	
Hotplate material	Ceramic	Aluminium
Operating temperature	Room temperature to +450 °C	Room temperature to +300 °C
Heated zone	200 x 200 mm	300 x 300 mm
Heating output	1200 W	600 W
Footprint	300 x 300 mm	
W x D x H, total	300 x 365 x 105 mm	
Weight	7 kg	
Mains connection	230 V, 50 Hz	

Type	Art. No.	Pack Qty.	
CB 302	KN93.1	1 unit(s)	
SB 302	KN94.1	1 unit(s)	



Heating and magnetic stirrers RET control-visc

IKA.

Type:

- Time and speed indication via digital display
- Clear TFT display for easy navigation through menus
- Temperature display resolution 0.01 °C
- Can be connected to Pt 100.70 temperature measuring sensor
- **Integrated contact thermometer with full functionality**
- Timer and countdown function
- Detached magnet detection, intermittent operation
- USB and RS 232 interface to control and document the magnetic stirrer

pH function:

- With integrated pH electrode connection (BNC socket)
- Measuring range 0 to 14 pH; resolution 0.01 pH; accuracy ±0.1 pH
- Delivery without pH single-rod measuring cell (please order separately; a large selection of pH electrodes with BNC connectors can be found in the "Measuring devices" section)

Integrated weighing function:

- Max. weighing range 5000 g, readability 1 g
- Linearity ±1 g

Technical specifications:

Art. No.	XT54.1	XT55.1
Type	RET control-visc	
Number of stirring points	1	
Max. stirring capacity (H ₂ O)	20 l	
Speed range	50 to 1700 rpm	
Speed display	TFT	
Motor power input	16 W	
Motor power output	9 W	
Hotplate material	stainless steel hot plate	enamel hot plate
Operating temperature	Room temperature to +340 °C	
Temperature display	TFT	
Setting accuracy	±0,1 K	
Control accuracy with sensor	±0,2 K	
Heating output	600 W	
Footprint	Ø 135 mm	
W x D x H, total	160 x 270 x 85 mm	
Mains connection	220–240 V, 50/60 Hz	

Delivery incl. PT 100.70 stainless steel temperature gauge and type H 104 protective hood.

RET control-visc

Type	Version	Art. No.	Pack Qty.	
RET control-visc	with stainless steel hot plate	XT54.1	1 unit(s)	
RET control-visc	with enamel hot plate	XT55.1	1 unit(s)	



Heating/magnetic stirrers

Accessories for RET control heater and magnetic stirrer

IKA.

For fastening a Pt 1000 measuring probe

Designation	Art. No.	Pack Qty.	
Stand rod	A315.1	1 unit(s)	
Clamp	A316.1	1 unit(s)	
Holder rod	HA16.1	1 unit(s)	



Contact thermometer ETS-D5

IKA.

- For all magnetic stirrers with contact thermometer connection according to DIN 12878
- Temperature control with no medium temperature overshoot
- Various control types (= operating modes) can be selected

Technical specifications:

Art. No.	EY84.1
Type	ETS-D5
Temperature range	-50 to +450 °C
Setting accuracy	0,1 K
Resolution	0,1 °C
Measurement accuracy	±0,2 K
Control deviation	±0,5 K
W x D x H, total	82 x 22 x 83 mm
Mains connection	230 V, 50 Hz

Delivery incl. Pt 1000 type H 67.60 stainless steel measuring probe (L 260 mm, Ø 3 mm) and connection cable. Please order accessories for fastening the contact thermometer separately.

Type	Art. No.	Pack Qty.	
ETS-D5	EY84.1	1 unit(s)	

Accessories for ETS-D5 contact thermometer

IKA.

Designation	Art. No.	Pack Qty.	
Replacement Pt 1000 measuring probe type H 62.51, L 260 mm x Ø 3 mm	K855.1	1 unit(s)	
Measuring probe, glass-coated, L 260 mm x Ø 6 mm	K856.1	1 unit(s)	
Extension cable, L 1 mm	K859.1	1 unit(s)	

Accessories for heating and magnetic stirrer

IKA.

For fastening a Pt 1000 measuring probe

Designation	Art. No.	Pack Qty.	
Stand rod	A315.1	1 unit(s)	
Clamp	A316.1	1 unit(s)	
Holder rod	HA16.1	1 unit(s)	



A 121 °C

Magnetic bars ROTILABO® Economy

ROTH SELECTION. PTFE-coated. Autoclavable: Yes.

Similar to cylindrical magnetic bar, but with rounded edges to intensify the stirring effect even at low speeds.

Ø (mm)	Length (mm)	Art. No.	Pack Qty.	
3	12	XA17.1	10 unit(s)	
8	25	XA18.1	10 unit(s)	
8	40	XA19.1	10 unit(s)	
8	50	XA20.1	10 unit(s)	



A 121 °C

Magnetic bars ROTILABO® Micro

ROTH SELECTION. PTFE-coated. Autoclavable: Yes.

For very small vessels.

Ø (mm)	Length (mm)	Art. No.	Pack Qty.	
1.5	8	PK70.1	10 unit(s)	
1.5	15	PK74.1	10 unit(s)	
2	2	PK65.1	10 unit(s)	
2	5	0955.1	1 unit(s)	
2	5	0955.2	10 unit(s)	
2	7	0973.1	1 unit(s)	
2	7	0973.2	10 unit(s)	
3	3	PK66.1	10 unit(s)	
3	6	PK68.1	10 unit(s)	
3	8	PK71.1	10 unit(s)	
3	10	PK72.1	10 unit(s)	
3	13	PK73.1	10 unit(s)	
3	20	PK75.1	10 unit(s)	
3	30	PK76.1	10 unit(s)	

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