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designed for scientists



RH lite

/// Data Sheet

Simple. Compact. Reliable.

The new RH lite is the perfect solution for entering the world of magnetic stirrers. It impresses with its compact design and high-quality at an affordable price. Developed for simple applications and basic laboratory needs, it combines an attractive price-performance ratio with solid quality and clever functionality. RH lite offers everything you need for safe and efficient work.

High performance for little money

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Subject to technical changes





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- Adjustable temperature safety circuit in accordance with laboratory equipment standard EN IEC 61010-2-010 for heated devices
- Two rotary and push buttons for independent setpoint adjustment and start/stop of the heating and stirring function
- 600 W heating power
- Robust 135 mm aluminum heating plate with increased surface strength for long service life
- Maximum temperature: 310 °C for a wide range of applications
- Energy-efficient EC motor For powerful stirring with minimal energy consumption up to 1500 rpm
- Extremely compact design: only 168 × 217 mm – ideal for small work surfaces
- Low self-heating of the heating plate perfect for mixing temperature-sensitive samples
- Two tripod mounting points for flexible use and a secure test setup

What it doesn't have – and why that's a good thing

The RH lite deliberately does not have external temperature control. For simple applications, this is not only sufficient, but also an advantage: less complexity, lower costs, and yet complete safety thanks to the integrated temperature safety circuit. This makes the RH lite the ideal choice for basic processes where direct temperature control of the heating plate is completely sufficient.

What's new compared to the previous model, the RH basic 2?

The RH lite offers significantly higher heating power, a larger heating plate, an improved IP protection class, and a modern operating concept with two intuitive rotary/push buttons. The compact design saves space, while the robust heating plate and EC motor ensure reliability and efficiency.

The smart basis for your laboratory

The RH lite is the perfect entry-level magnetic stirrer: compact, powerful, and safe—without unnecessary extras, but with everything you need for simple and reliable applications.

Technical Data

Number of stirring positions	1
Stirring quantity max. per stirring position (H ₂ O) [l]	15
Maximum load [kg]	20
Motor rating output [W]	7
Motor principle	Brushless DC
Direction of rotation	right
Speed display set-value	scale
Speed display actual-value	scale
Speed adjustment	Turning knob
Speed range [rpm]	100 - 1500
Stirring bar length [mm]	20 - 80
Self-heating of the set-up plate by max. stirring (RT:22°C/duration:1h) [K]	+6
Heat output [W]	600
Temperature display set-value	scale
Temperature display actual-value	scale
Temperature unit	°C
Heating temperature range [°C]	Room temp. + device self heating - 310
Heat control	Turning knob
Temperature setting range [°C]	0 - 310
Adjustable safety circuit [°C]	50 - 360
Set-up plate material	Aluminium alloy
Set-up plate dimensions [mm]	Ø 135
Speed deviation (no load, nominal voltage, at 1500rpm + 25 °C) [%]	±5
Heating rate (1l H ₂ O in H1500) [K/min]	5.5
Heat control accuracy of heating plate centre without vessel (at 100°C) [K]	±5
Heat control accuracy of heating plate centre without vessel (at 300°C) [K]	±15
Dimensions (W x H x D) [mm]	168 x 100 x 217
Weight [kg]	2.1
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 22
Voltage [V]	220 - 230
Frequency [Hz]	50/60
Power input [W]	620