

Laboratory

Hotplate Magnetic Stirrer



Hot Plate Magnetic Stirrer - Compact DH 2

Hot Plate Magnetic Stirrer - Core DH 7

Hot Plate Magnetic Stirrer - Extended DH 10

Mix Smarter | Heat Better

Hot Plate Magnetic Stirrer - Core DH 7

The DragLab DH 7 Hotplate Magnetic Stirrer combines powerful, uniform heating with precise stirring control for both routine and advanced lab workflows. It offers elevated heating capabilities with accurate temperature control and smooth stirring at various speeds, featuring independent timers. Ideal choice for reagent dissolution, media preparation, crystallization, and general sample processing in clinical, research, and general laboratories use.

Reliable, Accurate and Powerful

DragLab Hotplate Magnetic Stirrer DH 7 model is a reliable and powerful hotplate magnetic stirrer, designed to meet diverse laboratory needs in clinical, medical, and research labs. It features a digital LED control system enabling programmable heating from 35 to 550 °C at 500 W, and smooth stirring from 150 to 2000 rpm, suitable for vessels up to 10 L (H₂O). An external connection for PT1000 probe, with easy calibration for both the plate and solution channels ensures accurate, traceable temperature control with ±0.5 °C accuracy and a solution resolution of 0.1 °C. A 160 × 160 mm ceramic plate offers rapid heating, excellent chemical resistance, and easy cleaning. Integrated safety features include a persistent HOT warning, overheat and medium detection. The independent timer for both heating and stirring from 1 minute to 100 hours, robust construction, IP21 protection, and an intuitive interface, making the DH 7 an ideal choice for any laboratory setting.



Application:

- Clinical & diagnostic labs for buffer/media preparation, warming, and routine sample dissolution.
- Evaporation & distillation for steady heating with stirring to reduce bumping.
- Biotech & pharma labs for excipient dissolution, buffer/media prep, routine formulations.
- Environmental & food labs for extraction and sample prep with heated mixing.
- Education & QC for reliable, easy heating/stirring for daily protocols and training.
- Microbiology and culture-media melting and dissolution with uniform mixing.
- Chemistry labs for small-scale synthesis, extraction, and reaction support.
- Sample digestion and pretreatment for spectroscopic/chromatographic analysis.

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A vertical bar with the colors of the German flag (black, red, and gold) positioned to the left of the main title.

Quality and Expertise



DragLab is certified to ISO 9001:2015, reflecting our unwavering commitment to quality and excellence. We continuously optimize our production processes, ensuring that every step is efficient and effective. Through ongoing development and innovation, we strive to meet and exceed industry standards. Our customer-centric approach prioritizes the needs and satisfaction of our clients, driving us to maintain rigorous quality assurance protocols. This dedication ensures that laboratory equipment manufactured by DragLab consistently meets the highest standards of quality and reliability.

DragLab Laboratory Devices are meticulously designed and manufactured from high-quality materials to meet the most rigorous requirements of our customers. Our commitment to excellence and innovation drives continuous development and improvement, informed by daily usage and ongoing technological advancements. 'Quality and Expertise' is not just about creating impressive product designs; it reflects our company's policy of prioritizing high preparedness and customer-centric service as our fundamental objective. This dedication extends to all DragLab products, which comply with current European standards and bear the CE mark.



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Features:

Display :

Advanced LED digital display, for plate temperature and speed controls.

Control System :

Digital control system for heating and stirring function; compatible connection with external PT1000 probe and calibration capability.

Temperature Control:

Adjustable from 35–550 °C with 500 W for fast heat-up and stable control.

Adaptable Heating Control:

Plate Control for surface set-points or Solution Control using PT1000 to control liquid temperature.

Stirring Power:

Provides smooth magnetic stirring from 150 to 2000 rpm and manages up to 10 L with compatible stir bars.

Independent Timer function:

Built-in timers for Heating and for Stirring operate independently, each adjustable from 1 minute to 100 hours for method-driven workflows.

High-performance Plate:

Equipped with a Ceramic plate that offers high-temperature capability for heavy-duty protocols and excellent chemical/solvent resistance.

Ergonomic Compact Design:

The square 160 X 160 mm, durable ceramic plate provides quick heat transfer, excellent chemical resistance, and easy cleaning.

Safety Features:

HOT surface warning and overheat/medium detection for safe, reliable operation.

User-friendly controls:

Positive-feedback knobs and clear numerals ensure quick adjustments and effortless readability under laboratory conditions.

Construction Material:

Rigid, corrosion-resistant housing designed for daily bench work with IP21 splash protection.

Warranty :

2 year warranty worldwide .

Hot Plate Magnetic Stirrer - Core DH 7

Technical Specifications:

Control technology	
Control System	Digital control for heating, stirring and timer.
Display	LED digital display showing active Heating , Stirring status and timer function.
Control panel	Positive-feedback knobs with push to start/stop technology and independent timer buttons.
Indicators	LED Working (heat) indicator and (Hot Surface) indicator
Timer	Independent timers for heating and stirring (1 to 100 h)
Operation Modes	Adjustable Plate Temperature Control or Solution Temperature Control via PT1000 sensor
Temperature range for plate	35-550°C
Temperature range for solution	35.0-200.0°C
Smooth magnetic stirring	Adjustable from 150–2000 rpm
Heating resolution of plate	1.0 °C
Heating resolution of solution	0.1 °C when using the external PT1000 probe temperature stability: 1.0 °C
heat control accuracy	±0.5 °C with PT1000
Calibration	supported on external thermometer.
Standard equipment	
Plate diameter	160 X 160 mm
Plate material	ceramic plate
Number of stirring positions	1
Stirring volume	10 Litre max. (H ₂ O)
Surface construction	Hard ceramic surface is scratch-resistant and easy to wipe clean
Outer casing	Rigid, corrosion-resistant housing, Powder-coated with stoved enamel paint
Stirring bars	compatible 25–60 mm stir bars
Dimensions	190X300X110 mm
Net weight	3.5 KG
Stirring quantity	10L max. per stirring position (Water)
External temperature sensor	Connection for PT 1000
Safety and Compliance	
LED Indicators	Integrated LED indicators for user safety
HOT Warning	HOT surface indicator remains illuminated while the plate is above a safe touch temperature to promote safe handling.
Overheat and Medium detection	Overheat warning in plate and medium detection are displayed as error codes for user safety.
Smooth acceleration/ deceleration	helps prevent splashing and stir-bar decoupling when starting, stopping, or changing speeds
Compliance	CE, IP21, DIN 60529, IEC 61010 61010-1

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Specifications:

Technical Data	
Voltage	AC 190–240 V, 50/60 Hz
Power Consumption	500 watt
Protection class	IP 21 according to DIN EN 60529
Installation Environment	Indoor use on a level, stable bench away from direct sunlight, drafts, and external heat sources. Use a fume hood when heating volatile or hazardous solvents.
Operating Temp.	10 °C – 40 °C
Humidity (operation)	30% – 80% RH (non-condensing)
Air Pressure	700 – 1060 hPa
Storage Temp.	10 °C – 40 °C (Ensure unobstructed air inlets/outlets on the chassis)
Accessories	
Standard Accessories	Power cable User Manual Stirring Bars (3 sizes)
Shipping information	
Customs tariff number	84198990
Dimensions approx. incl. carton	260 (W) X 370(D) X 170 (H) mm
Gross weight carton	5.00 KG

Order Information:

Description	Model	Article number
Hot Plate Magnetic Stirrer - Core - 220 V, 50/60 Hz	DH 7	6007.000