

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

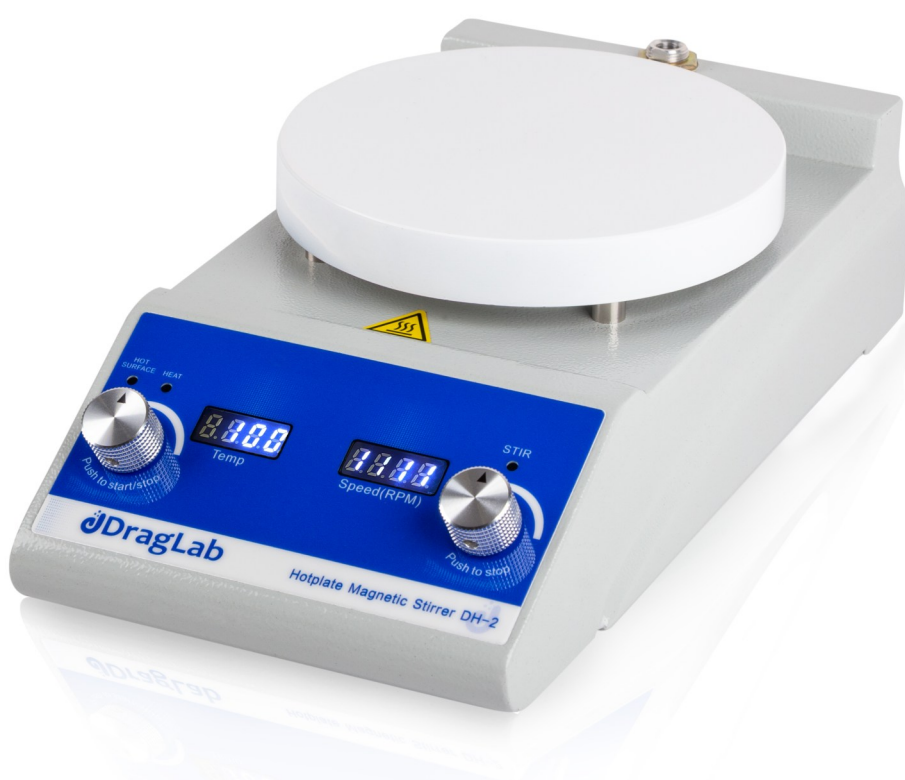
Mix Smarter | Heat Better

## Hotplate Magnetic Stirrer - Compact DH 2

The DragLab DH 2 Hotplate Magnetic Stirrer is a compact and efficient device, featuring digital controls suitable for laboratory, clinical, research, and educational uses. It offers fast heating capabilities, with precise temperature control, and smooth stirring at various speeds. Ideal for reagent dissolution, buffer preparation, media warming, and various sample processing tasks.

### Compact, Durable and Efficient

**DragLab Hotplate Magnetic Stirrer DH 2** model is a reliable and efficient hotplate magnetic stirrer, expertly designed for clinical, medical, and laboratory uses. Equipped with a digital LED control system, it offers programmable heating from 35 to 400 °C at 500 W, along with smooth stirring capabilities ranging from 150 to 1500 rpm for vessels up to 10 liters of water. Featuring an external PT1000 probe connection with calibration enabled, it ensures precise temperature control. A 150 mm ceramic-coated aluminum plate provides rapid heat-up and chemical resistance, while integrated safety features, including HOT surface warning and overheat/medium detection, protect users and samples. Its compact and durable design with an IP21 rating and user-friendly interface establishes the DH 2 as a reliable 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.

## Hotplate Magnetic Stirrer - Compact DH 2

A vertical bar with black, red, and yellow segments.

# 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 35–400 °C with 600 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 1500 rpm and manages up to 10 L with compatible stir bars.

#### Durable and Uniform Heating:

A ceramic-coated aluminum plate combines fast heat transfer with excellent chemical and stain resistance, ensuring uniform temperature distribution for consistent results.

#### Ergonomic Compact Design:

The round, compact Ø150 mm 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 .



## Hotplate Magnetic Stirrer - Compact DH 2

### Technical Specifications:

Control technology	
Control System	Digital control for both heating and stirring
Display	LED digital display showing active Heating and Stirring status
Control panel	Positive-feedback knobs with push to start/stop technology
Indicators	LED Working (heat) indicator and (Hot Surface) indicator
Operation Modes	Adjustable Plate Temperature Control or Solution Temperature Control via PT1000 sensor
Temperature range for plate	35-400°C
Temperature range for solution	35.0-200.0°C
Smooth magnetic stirring	Adjustable from 150–1500 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	Ø150 mm
Plate material	ceramic-coated aluminum plate
Number of stirring positions	1
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	155X290X100 mm
Net weight	3KG
Stirring quantity	5L max. per stirring position (Water)
External temperature sensor	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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### Technical Specifications:

Technical Data	
<b>Voltage</b>	AC 190–240 V, 50/60 Hz
<b>Power Consumption</b>	500 watt
<b>Protection class</b>	IP 21 according to DIN EN 60529
<b>Installation Environment</b>	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.
<b>Operating Temp.</b>	10 °C – 40 °C
<b>Humidity (operation)</b>	30% – 80% RH (non-condensing)
<b>Air Pressure</b>	700 – 1060 hPa
<b>Storage Temp.</b>	10 °C – 40 °C (Ensure unobstructed air inlets/outlets on the chassis )
Accessories	
<b>Standard Accessories</b>	Power cable User Manual Stirring Bars (3 sizes)
Shipping information	
<b>Customs tariff number</b>	84198990
<b>Dimensions approx. incl. carton</b>	200 (W) X 370(D) X 210 (H) mm
<b>Gross weight carton</b>	5.00 KG

### Order Information:

Description	Model	Article number
Hotplate Magnetic Stirrer - Compact - 220 V, 50/60 Hz	DH 2	6002.000