TECHNICAL DATA SHEET

ALab™ MS7-H550-S LED Magnetic Hotplate Stirrer

LED magnetic hotplate stirrer · 184 × 184 mm glass-ceramic plate · RT to 550°C · up to 1500 rpm · 10 L



ALab™ MS7-H550-S LED Magnetic Hotplate Stirrer

The ALab™ MS7-H550-S LED Magnetic Hotplate Stirrer; image shown for reference.

CONTENTS

01 Product Overview

02 Core Advantages

03 Specifications

04 Applications

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SECTION I

Product Overview

The ALab™ MS7-H550-S is a magnetic hotplate stirrer with a 7-inch (184 × 184 mm) glass-ceramic plate and an LED temperature display. It heats from RT to 550°C in 5°C increments and stirs up to 10 L of water; the speed is set on a 0 to 1500 rpm scale.

A shaded-pole motor, an external PT1000 sensor connection (±0.2°C), 580°C overheating protection and a "HOT" warning at 50°C are provided.

SECTION II

Core Advantages

- **Plate** — 7-inch glass ceramic
- **Stirring** — 0 to 1500 rpm scale, 10 L
- **Sensor** — PT1000, ±0.2°C
- **Heating** — RT to 550°C, 5°C steps
- **Display** — LED, ±1°C
- **Safety** — 580°C protection

SECTION III

Specifications

Technical data — MS7-H550-S

Specifications	
Brand	ALab™ by ACS Material
Model	MS7-H550-S
ACS Cat. No.	Parent ALMS7S0F; ALMS7S00
Product type	LED magnetic hotplate stirrer with 7-inch glass-ceramic plate
Work plate dimension	184 × 184 mm (7 inch)
Work plate material	Glass ceramic
Motor type	Shaded-pole motor
Stirring positions	1
Maximum stirring volume [H_2O]	10 L
Maximum stirrer bar length	80 mm
Speed range	0 to 1500 rpm
Speed display	Scale
Temperature display	LED
Heating temperature range	RT to 550°C, increment 5°C
Temperature control accuracy	±10°C
Overheating protection	580°C
Temperature display accuracy	±1°C
External temperature sensor	PT1000 (accuracy ±0.2°C)
"HOT" warning	50°C
Protection class	IP21
Motor output power	1.5 W
Power	1030 W
Heating output	1000 W
Voltage, frequency	100 to 120 V / 200 to 240 V, 50/60 Hz
Dimensions [W × D × H]	215 × 360 × 112 mm
Weight	4.5 kg
Permissible ambient temperature and humidity	5 to 40°C, 80% RH

Control and safety

Function	Detail
Speed setting	Knob with scale, 0 to 1500 rpm
Temperature setting	Increment 5°C, shown on the LED display
Overheating protection	Overheating protection at 580°C
External temperature sensor	PT1000, accuracy ±0.2°C
"HOT" warning	50°C

SECTION IV

Applications

Application guidance: pharmaceutical (chemical synthesis, biochemical drugs, medicine testing, drug formulation); chemical industry (petrochemical, inorganic and organic chemical synthesis, daily-use chemicals, painting / rubber / plastic, fertilizer / pesticide); research and education (basic chemical experiments, chemical synthesis); food industry (food additives, dairy products, nutrition analysis).

Specifications are per the tables above.

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