TECHNICAL DATA SHEET

ALab™ MS-H340-S4 4-Channel Magnetic Hotplate Stirrer

4-channel magnetic hotplate stirrer · four Ø135 mm plates · RT to 340°C · 200 to 1500 rpm



ALab™ MS-H340-S4 4-Channel Magnetic Hotplate Stirrer

The ALab™ MS-H340-S4 4-Channel Magnetic Hotplate Stirrer; image shown for reference.

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SECTION I

Product Overview

The ALab™ MS-H340-S4 is a 4-channel digital magnetic hotplate stirrer with four Ø135 mm (5 inch) stainless steel work plates with ceramic coating. Each position heats from RT to 340°C and stirs at 200 to 1500 rpm, with independent heating and stirring control.

A PID controller ensures a precise and stable heating process; an external PT1000 sensor (accuracy ±0.2°C) can be used and the overheating protection temperature is 420°C. It is widely used in chemical synthesis, physical and chemical analysis and bio-pharmaceuticals.

SECTION II

Core Advantages

- **Positions** — 4, independent
- **Speed** — 200 to 1500 rpm
- **Sensor** — PT1000, ±0.2°C
- **Heating** — RT to 340°C, PID
- **Display** — per position
- **Plates** — Ø135 mm, ceramic coated

SECTION III

Specifications

Technical data — MS-H340-S4

Specifications	
Brand	ALab™ by ACS Material
Model	MS-H340-S4
ACS Cat. No.	Parent ALMSH40F; ALMSH400
Product type	4-channel digital magnetic hotplate stirrer
Work plate dimension	Ø135 mm (5 inch) × 4
Work plate material	Stainless steel with ceramic coating
Motor type	Brushless DC motor
Stirring positions	4
Maximum stirrer bar length	40 mm
Speed range	200 to 1500 rpm
Temperature range	RT to 340°C
Over temperature protection	420°C
External temperature sensor	PT1000 (accuracy ±0.2°C)
Protection class	IP20
Motor output power	1.8 W × 4
Heating power	500 W × 4
Power	515 W × 4
Voltage, frequency	100 to 120 V, 60 Hz; 200 to 240 V, 50 Hz
Dimensions [W × D × H]	695 × 270 × 128 mm
Weight	9.5 kg
Permissible ambient temperature and humidity	5 to 40°C, 80% RH

Control and design

Function	Detail
Position control	Independent heating and stirring control for each position
Display	Each position displays the real-time temperature and speed.
Temperature control	PID controller, RT to 340°C; external PT1000 temperature sensor (accuracy ±0.2°C)
Safety	Overheating protection temperature 420°C
Protection class	IP20

SECTION IV

Applications

It is used in chemical synthesis, physical and chemical analysis, and biopharmaceuticals.

Specifications are per the tables above.

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