TECHNICAL DATA SHEET

ALab™ MS-H-S Analog Magnetic Hotplate Stirrer

Analog magnetic hotplate stirrer · Ø135 mm plate · RT to 340℃ · 0 to 1500 rpm · 20 L



ALab™ MS-H-S Analog Magnetic Hotplate Stirrer

The ALab™ MS-H-S Analog Magnetic Hotplate Stirrer; image shown for reference.

CONTENTS

01 Product Overview
02 Core Advantages
03 Specifications
04 Applications

ACS MATERIAL, LLC

959 E Walnut St., Suite 100
Pasadena, CA 91106, USA

Phone +1 (866) 227-0656
Fax +1 (781) 518-0284

contact@acsmaterial.com

Revision Date **10/23/2026**

SECTION I

Product Overview

The ALab™ MS-H-S is an analog magnetic hotplate stirrer: heating and speed are set with two knobs against printed scales. It has a 5-inch (Ø135 mm) stainless steel plate with a chemical-resistant ceramic coating, stirs up to 20 L of water at 0 to 1500 rpm and heats the plate from RT to 340°C.

The brushless DC motor is maintenance free. Safety circuits provide overheating protection at 420°C. No digital display, external temperature sensor, timer or data connector is listed for this model; speed and temperature are indicated by printed scales.

SECTION II

Core Advantages

- **Control** — two knobs, printed scales
- **Speed** — 0 to 1500 rpm
- **Plate** — Ø135 mm, ceramic coated
- **Heating** — RT to 340°C
- **Volume** — 20 L water
- **Safety** — 420°C overheating protection

SECTION III

Specifications

Technical data — MS-H-S

Specifications	
Brand	ALab™ by ACS Material
Model	MS-H-S
ACS Cat. No.	Parent ALMSHS0F; ALMSHS00
Product type	Analog magnetic hotplate stirrer with 5-inch ceramic-coated plate
Work plate dimension	Ø135 mm (5 inch)
Work plate material	Stainless steel cover with ceramic coating
Motor type	Brushless DC motor
Stirring positions	1
Maximum stirring volume [H_2O]	20 L
Maximum stirrer bar length	80 mm
Speed range	0 to 1500 rpm
Speed display	Scale
Temperature display	Scale
Heating temperature range	RT to 340°C
Overheating protection	420°C
Protection class	IP21
Motor rating output	10 W
Power	530 W
Heating output	500 W
Voltage, frequency	100 to 120 V / 200 to 240 V, 50/60 Hz
Dimensions [W × D × H]	160 × 280 × 100 mm
Weight	2.8 kg
Permissible ambient temperature and humidity	5 to 40°C, 80% RH

Control and safety

Function	Detail
Heating and speed setting	Two knobs with printed scales; no digital display.
Overheating protection	Safety circuits provide overheating protection at 420°C

SECTION IV

Applications

Heating and magnetic stirring of up to 20 L of water in the laboratory, from RT to 340℃, with knob control.

Specifications are per the tables above.

Revision Date: 10/23/2026

DISCLAIMER

ALab™ is a trademark of ACS Material, LLC. ACS Material, LLC believes that the information in this Technical Data Sheet is accurate and represents the best and most current information available to us. ACS Material makes no representations or warranties, either express or implied, regarding the suitability of the equipment for any application or the accuracy of the information contained within this document. Specifications are typical and may vary by model; assess product details and application suitability for the intended use. Accordingly, ACS Material will not be responsible for damages resulting from use of or reliance upon this information.