TECHNICAL DATA SHEET

ALab™ MS-PA / MS-PB Magnetic Stirrer

Magnetic stirrer · Ø135 mm plate · brushless DC motor · up to 1500 rpm · 3 L · IP42



ALab™ MS-PA / MS-PB Magnetic Stirrer

The ALab™ MS-PA (left) and MS-PB (right) Magnetic Stirrers; image shown for reference.

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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

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SECTION I

Product Overview

The ALab™ MS-PA / MS-PB are magnetic stirrers with a Ø135 mm (5 inch) Nylon+GF work plate and a brushless DC motor, for up to 3 L of water. The MS-PA has an LED speed display and runs at 200 to 1500 rpm; the MS-PB is set on a scale from 0 to 1500 rpm. Both share the 150 × 260 × 80 mm housing, 1.8 kg, stirrer bars up to 50 mm, 3 W motor output power and protection class IP42.

SECTION II

Core Advantages

- **Models** — MS-PA LED, MS-PB scale
- **Motor** — brushless DC, 3 W
- **Plate** — Ø135 mm Nylon+GF
- **Capacity** — 3 L
- **Weight** — 1.8 kg
- **Protection** — IP42

SECTION III

Specifications

Technical data — MS-PA · MS-PB

Specifications	
Brand	ALab™ by ACS Material
Models	MS-PA, MS-PB
ACS Cat. No.	Parent ALMSPABG; ALMSPA00, ALMSPB00
Work plate dimension	Ø135 mm (5 inch)
Work plate material	Nylon+GF
Motor type	Brushless DC motor
Stirring positions	1
Maximum stirring volume [H_2O]	3 L
Maximum stirrer bar length	50 mm
Protection class	IP42
Motor output power	3 W
Voltage, frequency	100 to 240 V, 50/60 Hz
Dimensions [W × D × H]	150 × 260 × 80 mm
Weight	1.8 kg

Model comparison

Parameter	MS-PA	MS-PB
Model name	LED Digital Magnetic Stirrer	Magnetic Stirrer
Speed range	200 to 1500 rpm	0 to 1500 rpm
Speed display	LED	Scale
Power	15 W	10 W
Permissible ambient temperature and humidity	10 to 40°C, 80% RH	5 to 40°C, 80% RH
ACS Cat. No.	ALMSPA00	ALMSPB00

Control and design

Function	Detail
Speed setting	MS-PA: 200 to 1500 rpm, speed shown on the LED display. MS-PB: knob with scale, 0 to 1500 rpm
Motor	Brushless DC motor
Work plate	Ø135 mm Nylon+GF
Protection class	IP42

SECTION IV

Applications

Application guidance (magnetic stirrers without heating): environmental (water quality analysis, pesticide residue testing, chemical pollution analysis); research and education (basic chemical experiments, material analysis, liquid mixing).

Choose the MS-PA for an LED speed readout or the MS-PB for a speed scale. Specifications are per the tables above.

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