TECHNICAL DATA SHEET

ALab™ DMS4 LCD Digital 4-Inch Magnetic Stirrer

LCD digital magnetic stirrer · 100 × 100 mm glass-ceramic plate · 50 to 1500 rpm · 10 L · timer · RS232



ALab™ DMS4 LCD Digital 4-Inch Magnetic Stirrer

The ALab™ DMS4 LCD Digital 4-Inch Magnetic 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™ DMS4 is an LCD digital magnetic stirrer with a 4-inch (100 × 100 mm) glass-ceramic plate. It stirs up to 10 L of water at 50 to 1500 rpm in 1 rpm steps, with stirrer bars up to 40 mm. It has no heater.

The brushless DC motor is maintenance free. The LCD shows set and actual speed and time; the timer runs from 1 min to 99 h 59 min with a buzzer at the end. A safety lock, a waterproof plate edge, a corrosion-resistant all-metal housing and an RS232 connector for remote PC control complete the unit.

SECTION II

Core Advantages

- **Plate** — 100 × 100 mm glass ceramic
- **Volume** — up to 10 L [H_2O]
- **Safety** — safety lock, buzzer
- **Speed** — 50 to 1500 rpm, 1 rpm steps
- **Timer** — 1 min to 99 h 59 min
- **Data** — RS232 remote control

SECTION III

Specifications

Technical data — DMS4

Specifications	
Brand	ALab™ by ACS Material
Model	DMS4
ACS Cat. No.	Parent ALDMS40F; ALDMS400
Product type	LCD digital magnetic stirrer with 4-inch glass-ceramic plate (no heating)
Work plate dimension	100 × 100 mm (4 inch)
Work plate material	Glass ceramic
Motor type	Brushless DC motor
Stirring positions	1
Maximum stirring volume [H_2O]	10 L
Maximum stirrer bar length	40 mm
Speed range	50 to 1500 rpm, increment 1 rpm
Speed display	LCD
Data connector	RS232
Protection class	IP21
Timer function	1 min to 99 h 59 min
Motor output power	10 W
Power	30 W
Voltage, frequency	100 to 240 V, 50/60 Hz
Dimensions [L × W × H]	270 × 175 × 108 mm
Weight	1.8 kg
Permissible ambient temperature and humidity	5 to 40°C, 80% RH

Control and safety

Function	Detail
Timer	1 min to 99 h 59 min; the buzzer sounds at the end of the countdown
Safety lock	Locks the settings against accidental changes during operation
Buzzer	Sounds when the unit detects a fault and when the timer countdown ends
RS232 data connector	Remote control from a PC

SECTION IV

Applications

Magnetic stirring of up to 10 L of water on a 4-inch plate in the laboratory, without heating.

Specifications are per the tables above.

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