TECHNICAL DATA SHEET

ALab™ EcoStir Square Plate Magnetic Stirrer

Square plate magnetic stirrer with electrode holder · 300 to 2000 rpm · 1.5 L [H_2O] · AC or DC 12 V



ALab™ EcoStir Square Plate Magnetic Stirrer

The ALab™ EcoStir square plate magnetic stirrer; image shown for reference.

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SECTION I

Product Overview

The ALab™ EcoStir is a square plate magnetic stirrer with an electrode holder, a basic tool for electrochemistry measurements, water and environment monitoring, drug or food analysis and liquid culture mixing. It stirs up to 1.5 L of water at 300 to 2000 rpm.

The unit has a maintenance-free brushless DC motor and a 120 × 115 mm PET-topped work plate. It runs on 100 to 240 V, 50/60 Hz or DC 12 V.

SECTION II

Core Advantages

- **Holder** — clamp for pH electrode or sensor
- **Stirring** — 300 to 2000 rpm, 1.5 L
- **Supply** — AC or DC 12 V
- **Plate** — 120 × 115 mm, PET
- **Motor** — brushless DC
- **Size** — 150 × 144 × 54 mm, 0.3 kg

SECTION III

Specifications

Technical data — EcoStir (square plate)

Specifications	
Brand	ALab™ by ACS Material
Model	EcoStir (square plate)
ACS Cat. No.	ALECSTSQ (parent ALECS)
Product type	Square plate magnetic stirrer with electrode holder (non-heating)
Work plate size	120 × 115 mm
Work plate material	PET
Motor type	Brushless DC motor
Stirring positions	1
Maximum stirring volume [H_2O]	1.5 L
Maximum stirrer bar length	40 mm
Speed range	300 to 2000 rpm
Speed setting	Scale
Protection class	IP21
Motor output power	1.2 W
Power	7.2 W
Voltage, frequency	100 to 240 V, 50/60 Hz or DC 12 V
Dimensions [W × D × H]	150 × 144 × 54 mm
Weight	0.3 kg
Permissible ambient temperature and humidity	5 to 40°C, 80% RH

Scope of delivery

- Standard configuration: EcoStir square plate magnetic stirrer, electrode holder with clamp, colorful stickers.

SECTION IV

Applications

Electrochemistry measurements, water and environment monitoring, drug or food analysis, and liquid culture mixing.

Specifications are per the table above.

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