

TECHNICAL DATA SHEET

Levon™ AC100-S Programmable Spin Coater

Precision motion control · 12,000 rpm (no load) · 30,000 rpm/s · 100 recipes, up to 100 steps each · integrated exhaust



Levon™ AC100-S Programmable Spin Coater — Representative Configuration

The Levon™ AC100-S Programmable Spin Coater is a compact benchtop spin coater for laboratory applications with an integrated digital display, waste collection bottle and integrated exhaust. Image shown for reference; final configuration is confirmed in the quotation.

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SECTION I

Product Overview

Levon™ AC100-S Programmable Spin Coater is a compact benchtop spin coater for laboratory applications with a precision motion control system, a maximum speed of 12,000 rpm (no load), a maximum acceleration of 30,000 rpm/s and storage for 100 recipes, with up to 100 steps per recipe.

The AC100-S has an integrated digital display, a real-time operating parameter display with traceable process steps, a waste collection bottle, and an integrated exhaust system that is compatible with external ventilation. It is available in a 110 V type (100–120 V, single phase, 450 W) and a 220 V type (200–230 V, single phase, 450 W).

SECTION II

Core Advantages

- **Compact benchtop spin coater** Compact benchtop spin coater for laboratory applications with an integrated digital display.
- **100 recipes, up to 100 steps each** 100 recipes, with up to 100 steps per recipe.
- **Waste collection bottle** Waste collection bottle.
- **Precision motion control** Precision motion control system.
- **Real-time parameter display** Real-time operating parameters display with traceable process steps.
- **Integrated exhaust** Integrated exhaust system with external ventilation compatibility.

SECTION III

Specifications

Technical data — AC100-S

Specifications	
Parameter	Specification
Brand	Levon™ by ACS Material
Product Name	Levon™ AC100-S Programmable Spin Coater
Model	AC100-S
SKU #	LVAC1S00
Product type	Spin coater
Maximum speed	12,000 rpm (no load)
Speed resolution	1 rpm
Max acceleration	30,000 rpm/s
Max spin time	3,000 s
Time resolution	0.1 s
Programs	100 recipes, with up to 100 steps per recipe
Standard chuck configurations	10 mm diameter, 25 mm diameter, 2-inch diameter
Power input — 110 V type	100–120 V, single phase, 450 W
Power input — 220 V type	200–230 V, single phase, 450 W
Vacuum input requirement	0.06–0.09 MPa; minimum vacuum flow rate >15 L/min
Vacuum connection	Rear plate outlet, 6 mm outer diameter
Dimensions [W × D × H]	340 × 410 × 385 mm
Weight	15 kg
Packing	Carton packaging
Warranty	1-year product warranty

Accessories — Chucks

Accessories	
Accessory	Description
Standard chucks (10 mm, 25 mm, 2-inch)	Standard chuck configurations: 10 mm diameter, 25 mm diameter and 2-inch diameter.

Scope of delivery

- **Standard configuration:** one AC100-S main unit (110 V type or 220 V type, as ordered) with standard chucks of 10 mm, 25 mm and 2-inch diameter, and a waste collection bottle.
- **Supply requirement** — vacuum 0.06–0.09 MPa, minimum vacuum flow rate >15 L/min (external utility, supplied by the user).

SECTION IV

Applications

For laboratory spin coating that needs many stored recipes, real-time parameter display with traceable process steps, waste collection and an exhaust compatible with external ventilation. Application areas include thin-film research for perovskite solar cells and organic optoelectronic semiconductor devices.

Product value: 12,000 rpm (no load), 30,000 rpm/s, 100 recipes with up to 100 steps per recipe, and 110 V or 220 V types at 450 W in a compact benchtop body.

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